CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS. New York, October 14, 1909.

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CONSTRUCTION NEWS.

Plans and Specifications on File.

(* *denotes that this work is advertised in Engineering News.*)

The following plans (P.) and Specifications (S.) are on file (for reference only unless otherwise noted) at office of The Engineering News Publishing Co., 220 Broadway, New York.

Bids close.	Work.	See Issue.
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10-18*	Riprap groins, Mobile, Ala.	(S.) 9-23
10-19*	Main, Atlantic City, N. J...	(S.) 10-30
10-20	Pumping engines, Pittsburg, Pa.	(P. & S.) 10- 7
10-21*	Pump, Kansas City, Mo.....	(S.) 9-23
10-28*	Dike, Casper, Wyo.....	(S.) 9-16
10-30	Water system, Hingham, Mass.	(S.) 10-14
11- 5*	Quarters, Ft. Du Pont, Del.....	10- 7
11-10*	Pumping engine, Dallas, Tex.	(S.) 9-23
12- 1*	Heating, ventilating, New Zealand	(P. & S.) 9- 9

List of Contracts Pending.

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10-15 Wiring, etc., Rochester, N. Y...10-14
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10-18 Lamp posts, Muskogee, Okla....10- 7
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10-18 Wiring, Washington, D. C.....10-14
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10-21 Power plant, New York.....10- 7
10-22 Wiring, etc., Omaha, Neb.....10- 7
10-23 Street lighting, Columbus, S. C..10-14
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10-20* Bridge, Rye, N. Y.....10-14
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10-25* Bridge, Vancouver, B. C..... 9-30
10-25 Substructure, Flushing, Ohio....10- 7
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10-27 Culvert, Cleveland, Ohio 10- 7
10-27 Bridge, Assessippi, Man..... 9-30
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10-19* Dredging, Trenton, N. J..... 9-30
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RAILWAYS.

(* *denotes that this work is advertised in Engineering News.*)

ARKANSAS, LOUISIANA & GULF.—Engineers are now progressing with a survey for an extension from Hamburg, Ark., to Pine Bluff and other points. T. G. Cooke, Hamburg, is Engr. Noted on Sept. 2.

ATLANTA, BIRMINGHAM & ATLANTIC.—Contracts will be let soon for the line between Mulga, Ala., and Birmingham. Alex. Bonnyman is Ch. Engr. and Gen. Mgr., Atlanta, Ga. Noted on July 8.

CALIFORNIA.—KLIPPEL & McLAIN, Oroville, Cal., have been awarded a contract for the construction of the first section of the Truckee Lumber Co.'s railroad. Grading will commence at once. The first section of the work starts at the junction of French Creek and the Feather River, where the new railroad is to have its junction with the Western Pacific, and runs up French Creek two or three miles. Other contracts are being awarded for sections of the work and the construction of the road soon will be under good headway. This railroad is to open up forests in eastern Butte County and will haul the logs to Oroville, where mills and factories are now being erected by the company.

CANADIAN NORTHERN.—Company has filed plans with the Department of Railways and Canals, Ottawa, Ont., for the first 54 miles of the line north of Kamloops, B. C.

ANGUS SINCLAIR, Toronto, Ont., has been awarded the contract for the Toronto-Trenton section of this company's line. The division runs to Ottawa. Noted on Sept. 16.

CANADIAN PACIFIC.—The bid of CHANCEL, MACDONALD & TIMOTHY, of Calgary, Alta., has been accepted for the remaining section of the Esquimalt & Nanaimo R. R. to Alberni, on Vancouver Island, B. C.

Sir Thomas Shaughnessy, Pres., stated in a recent interview at Winnipeg, Man., that the company will soon commence the double-tracking of the main line between Winnipeg and Barndon, Man., a distance of 131 miles.

CHICAGO, MILWAUKEE & ST. PAUL.—Company will at once start work on double tracking its road between Winona, Minn., and Richmond, a distance of nine miles, to join the double tracking of the road east of that point, according to press reports. As soon as this is done work will be started on the double track between Winona and Wabasha, and when this stretch is laid there will be a double track the entire distance between La Crosse and St. Paul and Minneapolis, counting the joint use of the Burlington System track from Hastings. D. J. Whittemore is Ch. Engr., Chicago.

An extension from Bonner, Mont., to the international boundary may be constructed soon. A party of officials recently made an inspection trip over the line surveyed along the Blackfoot River, north of Swan Lake, with a view, it is understood, of making recommendations that work on the line be started at once. E. J. Pearson is Ch. Engr. of the Chicago, Milwaukee & Puget Sound Ry., Seattle, Wash. Noted fully on June 24.

COAHUILA, CHIHUAHUA & NORTHWESTERN.—The projected railroad from Monclova, Coah., to Chihuahua, Chih., will be built, and a contract for the first 75 kilometers of track from Monclova northwest has been let. Work is to begin at once. The organization of the Coahuila, Chihuahua & Northwestern Railway Co. was completed in Mexico City recently. The principal stockholders are Lic. Joaquin Casasus, Jacinton Pimentel, Hugo Shearer, Jr., Eduardo Hartmann and Angel Lopez Negrete. The railroad connecting Monclova and Chihuahua, when completed, will be 580 kilometers in length. It will be standard-gage construction. Subsidies to assist in carrying out the important enterprise have been granted by the state governments of both Coahuila and Chihuahua.

COSHOCTON, OSTEGO & EASTERN.—This company will build about 20 miles of line in Ohio, which is now being located. About 3½ miles of track has been laid and are in operation. This work is being carried out by JONES BROS., Columbus, Ohio. There will be one bridge and a 1,200-ft. tunnel on the line. J. M. Drake is Pres., Cleveland; C. R. Thropp, Ch. Engr., Coshocton. Notice of incorporation, etc., was given on Sept. 23.

ESQUIMALT & NANAIMO.—See Canadian Pacific Ry.

GRAND TRUNK PACIFIC.—An official announcement has been made that this line will be in operation between the Great Lakes and the Rocky Mountains by June 1 next.

GREENVILLE, GREENWOOD & AUGUSTA.—Chartered in South Carolina to build a line 120 miles long from Greenville, S. C., to a point on the Savannah River opposite Augusta, Ga. Capital, $1,200,000, which may be increased to $3,000,000. Survey has not yet been made. The incorporators are Henry Briggs, Frank Hammond and J. P. Charles, of Greenville, S. C.; J. C. Fawcett and Harry L. Zimmerly, of New York. Noted on Aug. 26.

HARRIMAN LINES.—Julius Kruttschnitt, Director of Maintenance and Operation, Chicago, announces that extensions are being built from Natron, Ore., southward and from Klamath Falls northward, involving the present construction of about 60 miles of a line which will ultimately connect these two points and form part of a new low grade route between Los Angeles and Portland on the eastern side of the Sierras. In California the grade of the eastbound track of the Central Pacific is being reduced from 2.2% to 1.5% between Roseville and Colfax, the advantage of the additional grade being retained on the westbound track. Connection is being made between Redwood City on the coast line and Niles, the line crossing San Francisco Bay at Dumbarton Point by means of a bridge, which will obviate the necessity for ferriage entering San Francisco for trains from San Joaquin Valley lines. This improvement called for 16 miles of new line. From Mojave to Keeler in southern California a branch line 146 miles long is under construction, which also will become part of the low grade Los Angeles-Portland line referred to above. Change of line and double track construction involve about 17 miles of new work from Wells to Deeth, Nev.

IDAHO.—The A. E. GRANT CO., of Spokane, Wash., has grading work now under way on the Craig Mountain Lumber Co.'s railroad from a point on the Grangeville line of the Northern Pacific Ry., between Volimer and Reubens, Idaho, south to Winchester, about 5½ miles. E. H. Van Ostrand is Pres.; C. P. Lindsley, Vice-Pres., and J. E. Fleming, Ch. Engr., of the Craig Mountain Co., at Lewiston, Idaho.

MEXICO NORTHWESTERN.—Bids will be taken and work will be started at once on a connecting link of about 105 miles in Chihuahua, between Terrazas and Madera, from the present line extending south from Ciudad Juarez to Terrazas, 155 miles, with the line now in operation from Chihuahua west to La Junta, thence north to Madera, 206 miles. Noted on Sept. 9. H. C. Ferris is Gen. Mgr., Chihuahua.

NEVADA-CALIFORNIA-OREGON.—An extension of this railroad from its present terminus at Madeline, Cal., to Lakeview, Ore., the erection of a large office building to cost at least $25,000, and the addition of modern shop machinery and enlargement of the shops of the company, located at Reno, Nev., are among the improvements to be made by this company. Geo. S. Oliver, Reno, is Ch. Engr. Noted on Aug. 26.

SAVANNAH & SOUTHERN.—Company has been granted a charter in Georgia for its proposed line from Savannah, 54 miles to some point on the Altamaha River. Capital, $150,000. Incorporators are W. G. Tuten, T. T. Osteen, W. F. Slater and J. H. Harvey, of Bryan County, and E. B. Rimes, C. E. Stafford and others of Liberty County. Headquarters will be at Letford, Ga.

TENNESSEE RIVER R. R.—PATTON & DIETZEN, of South Pittsburg, Tenn., have been awarded contract for building four miles of railroad in Tennessee. Noted on Sept. 23, as the Tennessee R. R.

TEXAS.—Contract has been awarded by the Chamber of Commerce and Business Men's Club, of San Antonio, Tex., and J. F. EDWARDS, of San Antonio, for construction of a railroad south of the city to the Rio Grande and contiguous to Brownsville. The railroad will be about 300 miles long, when completed. By the terms of the contract Mr. Edwards must begin actual work on the grade of the road within 40 days. The work of making the final survey for the first 60 miles of the road will be taken up at once. Bonuses aggregating $571,000 have been secured.

VERMONT.—Plans are being perfected for building a railroad from Stockbridge, Vt., on the White River Valley Railroad, through Pittsfield to Chittenden, a distance of 5½ miles. The parties back of the plan are also interested in the Bayonne Lumber Co., of Bayonne, N. J., which company has recently purchased the lumber lands in Chittenden, formerly owned by the Tweed River Iron Co. and later by T. A. Peartt. They own 3,000 acres upon which it is estimated there are 25,000,000 ft. of lumber. They have made surveys for a standard-gage road and are now buying up rights-of-way through the survey runs.

Plans have been completed and work will soon be started on a spur railroad line to connect the quarries of the Clarendon Marble Co. with the Delaware & Hudson Co. at West Rutland. P. F. McCormack, of West Rutland, Vt., is interested. The line will be about three miles long.

ELECTRIC RAILWAYS.

WHITE PLAINS, N. Y.—For the third time the sale of the Tarrytown, White Plains & Mamaroneck Ry. Co., under the $300,000 foreclosure suit brought by the Knickerbocker Trust Co., which Referee Henry R. Barrett, of White Plains, intended to hold in front of the White Plains Court-House on Oct. 8 has been adjourned. The date of sale has been fixed for Nov. 5.

SOUTH AMBOY, N. J.—We are officially advised that the Jersey Central Traction Co., of Keyport, N. J., which has a franchise to build its proposed extension through South Amboy to Perth Amboy, 2½ miles, has

awarded the contract to GENERAL CONTRACTING & ENGINEERING CO., 50 Church St., New York. Surveys are made, right-of-way secured and capital obtained. H. O. Todd is Ch. Engr., Keyport.

JOHNSTOWN, PA.—We are officially informed that the Johnstown & Altoona Ry. Co. (successor to the Johnstown & Gallitzin Ry. Co.) was authorized on Sept. 22 to build the proposed extension from Altoona to Gallitzin, Pa. As noted on Aug. 19, the "Johnstown & Gallitzin Ry. Co. has been chartered to construct an electric railway to connect Johnstown, Dale, Walnut Grove, Geistown, Elkton, Salix, Lovett, St. Michaels, South Fork, Summerhill, Wilmore, Portage, Lilly and Gallitzin, a distance of 32 miles. Capital stock authorized, $200,000; issued, $70,000. Wallace Sherbine is Pres.; Allan Sherbine, Secy.; H. W. Storey, Treas.; G. U. G. Holman, Gen. Mgr. and Elec. Engr., with headquarters in the Suppes Bldg., Johnstown." Noted on June 17.

BEDFORD, PA.—The charter of the Bedford, Fulton & Franklin Street Railway Co. was approved on Oct. 7 by Governor Stuart. The company is to build and operate a line from Bedford to Chambersburg. The incorporators are: M. J. Murphy, Pittsburg, Pres.; Humphrey D. Tate, Bedford; M. H. Shettz, McConnellsburg; John F. Fay, Geo. W. Rook and J. Y. Daly, Pittsburg. The line will be 50 miles long. Capital, $300,000.

FAIRMONT, W. VA.—The Fairmont & Clarksburg Traction Co. may build an extension of eight miles from Clarksburg to Salem, W. Va. George T. Watson is Gen. Mgr., at Fairmont, W. Va.; S. B. Miller is Ch. Engr.

GALLITIN, TENN.—C. H. Fidler, of Gallatin, is promoting a railway from Gallatin to Beckwith, on the Tennessee Central Railroad, twelve miles. The plan, it is said, is being considered by Pittsburg parties. Preliminary survey has been made.

INDIANAPOLIS, IND.—We are officially advised that the Capital Circuit Traction Co. will let construction contracts as soon as necessary money is secured. Right-of-way has practically been obtained and surveys are made. As noted on March 11, this company, with headquarters at 1019 Law Bldg., Indianapolis, plans to build an electric railway connecting Greenfield, Fortville, Noolesville, Sheridan, Lebanon, Advance, Jamestown, North Salem, Danville, Clayton, Hall, Mertansville, Trafalgar, Franklin, Marietta, Shelbyville and Fountaintown. J. N. Crabb, Law Bldg., Indianapolis, is Pres.; J. W. Trotter, Danville, Ind., Vice-Pres.; C. E. Worth, Secy. and Treas.; J. A. Shafer, 3710 N. Illinois St., Indianapolis, is Ch. Engr. The line will be about 170 miles long.

MONTICELLO, IND.—The Tippecanoe & Monticello Interurban Ry. Co., of Monticello, capital stock $100,000, has been chartered to connect following locations by interurban lines: Fowler, Lafayette, Battle Ground, Ash Grove, Delphi, Brookston, Chalmers, Wheeler, Reynolds, Monticello, Norway, Idaville, Burnettsville, Buffalo, Sitka, Headlee, Pulaskiville, Winamac, Curveton, Trimmer and Logansport. Incorporators: Thos. W. O'Connor and Willis White, of Monticello; Chas. E. Turner, of Detroit, Mich.; Jos. A. C. Blackburn and Wm. B. Felker, of Rogers, Ark.

CHESTER, ILL.—Representatives of the Belleville & Chester Electric Interurban & Street Railway Co. in a statement to the City Council outlined their plan and designated the proposed route of the street car line in Chester for which they will ask for a franchise at the next meeting of the Council. The interurban portion of the line will enter Randolph County near Red Bud, pass through Red Bud, Evansville, Ellis Grove, Reilly Lake, Fort Gage and enter Chester at the Southern Illinois Penitentiary. The street car division will connect the prison with the city, pass along Water street to the Illinois Southern, Iron Mountain and Wabash depots and ascend the hill over Cole's road to the court-house, thence through the business districts to Evergreen and St. Mary's cemeteries.

MOLINE, ILL.—The Board of Supervisors has granted a 20-year franchise to the Tri-City & Northeastern Interurban Ry. Co., of Port Byron, to build an electric railway from Port Bryon to Rapids City. The franchise provides that the railway must be in operation within three years. The company is to build an electric railway from Watertown to Albany. J. W. Simonson, Port Byron, is Pres. Noted on Sept. 9.

SIOUX CITY, IOWA.—We are officially informed that blanket franchises for street railway and interurban rights have been granted to the Sioux City & Spirit Lake Ry. Co. by all the towns along proposed route except Granville, where a special election will be held on Oct. 19. The line will connect Sioux City and Spirit Lake, 106 miles, via Le Mars, Granville, Pringhar and Hartley, Iowa. Surveys are made and nearly all right-of-way is obtained. Frank Patch, 209 American Block, and B. C. Wolley, Engr., Sioux City. Noted on March 4.

ROSEDALE, KAN.—We are officially advised that the Kansas City, Lawrence & Topeka Elec. R. R. Co. has made survey for its proposed railway which will run from Rosedale to Topeka, Kan., via De Soto, Lawrence and Eudora, 70 miles. Right-of-way is 75% secured. Capital has not been obtained yet for building the line. F. P. Dickson is Pres., 408 Gumbel Bldg., Kansas City, Mo. Noted on Sept. 2.

ST. LOUIS, MO.—The County Court of St. Louis County has granted to James D. Houseman, 414 Roe Bldg., St. Louis, a franchise to construct an electric railway from Jefferson Barracks to Spanish Lake. It will also extend through Manchester, Webster Groves, Clayton, University City, Wellston, Ferguson, Florissant and several other towns. The franchise provides for branch lines to Fenton and other towns. Mr. Houseman and James E. Herreford, of Ferguson; George H. Bowles, of Afton; Charles A. Arenreith, of Clayton; Thomas H. Gallagher, of Webster; Bert H. Lay, of St. Louis; Albert Wehrmeyer, of O'Neil; W. C. Corder, of Jefferson Barracks, and E. M. Rennels, of Maplewood, have incorporated the St. Louis County Belt R. R. Co. to build this electric railway. Capital stock, $300,000. Noted last week.

ST. JOSEPH, MO.—The St. Joseph & Savannah Railway Co., capital $350,000, has been chartered to build a standard-gage line, 15 miles long, from St. Joseph to Savannah, Mo. J. H. Van Brunt, of St. Joseph, is the chief owner and holds control, others interested being Charles Parche, John Donovan, Graham G. Lacy, R. A. Brown, J. C. Schneider, John I. McDonald, C. E. Foster and James N. Burns, of St. Joseph.

DALLAS, TEX.—The Dallas Interurban Electric Ry. Co. will begin construction soon on its proposed electric railway connecting Dallas, Fornly, Mesquite, Terrell, Canton and Tyler. The company has secured all franchises and rights-of-way in Dallas. Capital stock, $2,400,000, with $800,000 preferred stock. Henry Dorsey, Dallas, is Pres.. J. Mercer Carter, Mgr. of Dallas Interurban Electric Railway Co., states that plans are well matured to build 60 miles of line in connection with 23 miles of street line in Dallas, the interurban route being from Dallas via Terrell to Greenville, Tex., 73 miles. By Oct. 15 two miles of lines must be built, for which rails, ties and other material will be bought, besides equipment.

GLEN ROSE, TEX.—The Glen Rose & Walnut Springs Ry. Co. has been chartered. Capital stock, $100,000. This line is to be built from Glen Rose, in Somervell County, to Walnut Springs, in Bosque County, a distance of 15 miles. The incorporators are T. K. Mathews, A. L. Sadler, C. W. Hill, J. H. Fair, John Shields, W. D. Morton, J. L. Hipp, F. F. Johnson, George F. Gaither and T. J. Bryan, of Glen Rose; J. F. Carlton, J. C. Lees and J. A. Rushing, of Walnut Springs.

ENID, OKLA.—The Enid & Central Oklahoma Traction Co. plans to let contracts early next month for building this line from Enid, Okla., south via Waukomis, Bison, Hennessey, Okarchee, Dover, Kingfisher and Darlington, to El Reno, about 65 miles. The work will be light. There is to be one 900-ft. steel bridge with masonry substructure over the Cimarron River, as well as several smaller bridges. H. S. Moreland is Ch. Engr. at Enid.

CLOVIS, N. MEX.—City Council has granted a franchise to E. J. Howard, J. D. Hammett and A. R. Hammett, Moberly, Mo., to construct an electric railway system in Clovis. The franchise provides that work shall commence before Jan. 1, 1910.

LIGHT AND POWER PLANTS.

(denotes that this work is advertised in Engineering News.)*

WEST POWNAL, ME.—Bids are asked by Dr. George S. Bliss, Supt., until noon, Oct. 28, for materials and labor necessary for the construction of a new brick power station for the Maine School for Feebie Minded at West Pownal.

CHICOPEE, MASS.—RIVERS & YOUNG, of Chicopee, have been awarded contract for laying a 3-ft. concrete pipe for the Stanley Electric Co. into Silver Lake. This is to supply the boiler-room with additional water. The pipe is to extend 300 ft. into the lake. It will be nine feet below the surface and will be laid on piles. A coffer-dam will be necessary.

DANBURY, CONN.—LEWIS A. MILLER, of Meriden, has been awarded the contract by the Lee-McLachlan Co., of Danbury, to build a power-house in connection with the company's plant. The building is to be 100 × 65 ft., basement and one extra high story, to be built of brick with pressed brick wainscoting and reinforced concrete floor with asbestolith finish in engine room. The roof is to be of steel construction, with terra cotta tile and plastic slate roofing, window frames, metal with wire glass. Concrete trimmings will be put on the structure. There will be two large engine foundations and settings for four boilers, and a coal pocket 15 × 65 ft. Estimated cost, $30,000. Philip N. Sunderland, of Danbury, is Arch.

ROCHESTER, N. Y.—Bids will be received until Oct. 15 by the Board of Education, J. S. Mullan, Secy., for electric light wiring and fixtures for schools No. 14 and the assembly halls of Schools Nos. 6, 7, 1, 19 and 23. J. Foster Warner is Arch., 1036 Granite Bldg.

ORANGE, N. J.—All bids for the construction of a municipal electric lighting plant, submitted to the Common Council, were above the estimated cost and will probably be rejected. Runyon & Carey are Engrs., 122 Market St., Newark, N. J.

PITTSBURG, PA.—Contract for installing three units in the power plant in the Pittsburg Athletic Club Building, Pittsburg, has been awarded to JAMES E. McNARY, Pittsburg representative of the Clark Bros. Engine Co., of Belmont, N. Y. The contract calls for three high-speed engines with a rating of 75, 100 and 150 HP., respectively, direct-connected to Crocker-Wheeler generators.

YORK, PA.—Bids are asked until Oct. 18 by the Light Committee for lighting the city for a term of one and five years.

*FORT DUPONT (Delaware City post-office), DEL.—Bids are asked by the Constructing Q. M., U. S. A., until 11 a. m., Nov. 9, for the construction of an electric lighting system (no machinery) at Fort Dupont.

WASHINGTON, D. C.—Bids will be received until Oct. 18 by James Knox Taylor, Supervising Arch., Treasury Department, for the installation of electric wiring on the fourth floor of the Treasury building, Washington.

GREENVILLE, S. C.—The Monoghan cotton mills are being equipped for electric motor drive. Estimated cost, about $30,000. Electricity for operating the mills will be supplied by the SOUTHERN POWER CO., of Charlotte, N. C., electrical energy being transmitted from the Great Falls plant on the Catawba River.

BLACKSBURG, S. C.—The citizens have voted to issue $15,000 of bonds for an electric light plant and for street improvements.

COLUMBUS, S. C.—Bids will be received by G. F. Cooper, City Clk., until Oct. 23, for lighting the streets of the city.

ROCK HILL, S. C.—See item under Water Supply—Irrigation.

SENOIA, GA.—On Sept. 11 the citizens voted to issue $10,000 of bonds for the construction of an electric light plant.

WHITESTONE, GA.—Plans are being considered by Frank Eastman, of Chicago, Ill., for the construction of a hydroelectric plant and to transmit 700 HP. by electricity to the marble works near Whitestone. H. von Schon, Detroit, Mich., is Engr.-in-Charge.

GADSDEN, ALA.—Plans are being considered by the Alabama City, Gadsden & Attala Ry. Co. to extend its electric lighting system. G. H. Schuler is Pres.

CROWLEY, LA.—W. E. Deed, of New Orleans, has been appointed by the city as engineer in charge of rebuilding the power plant of the principal water-works and electric light plant recently burned.

SPRINGFIELD, OHIO.—An ordinance has been passed by the City Council awarding contract to the SPRINGFIELD LIGHT, HEAT & POWER CO. for furnishing electricity for street lamps at $68 each per year, for a period of ten years. About 500 lamps will be required. A. N. Cope is Supt.

COLUMBUS, OHIO.—Bids will be received until 2 p. m., Oct. 27, readvertisement, by the Board of Managers, Ohio Penitentiary, George U. Marvin, Secy., for erecting a brick power house. Bids will be received for concrete and cement work, reinforced concrete work, cut stone work, brick work, including terra cotta, structural steel work, c. i. work, sheet metal work, roofing, carpentry, plumbing and sewerage. Bids on labor and material may be submitted as a whole or separately. Marriott & Allen are Archs., 20 E. Broad St., Columbus. Osborn Engineering Co., Osborn Bldg., Cleveland, are Engrs.

ST. MARY'S, OHIO.—The Western Ohio Ry. Co. is installing a 1,000-KW. turbine in its power house at St. Mary's to furnish additional power for its system.

PENDLETON, IND.—The Town Board has granted franchise to Holmes Brothers, of Indianapolis, Ind., to install an electric light plant here, plant to be installed before July 1.

BEDFORD, IND.—It is reported that the Bedford Heat, Light & Power Co., I. J. Bell, Supt. and Ch. Electrician, Bedford, will soon ask for bids for the construction of a dam in White River and the installation of a generating plant to supply electricity for light and power.

DETROIT, MICH.—The GOULD STORAGE BATTERY CO., of Depew, N. Y., and 341 Fifth Ave., New York, has been awarded contract by the Michigan Central R. R. Co. for furnishing and installing the regulating battery equipment for the electrical operation of the Detroit River tunnel, at Detroit, which has just been completed by the railroad company. The plant will consist of 312 cells, having a present capacity of 1,500 KW. per one hour, with an ultimate capacity of 2,300 KW. per one hour.

CHICAGO, ILL.—Bids will be received by William Carroll, City Electrician, until Oct. 14, furnishing the Department of Electricity with submarine telegraph cable in accordance with specifications on file in the office of the City Electrician as follows: 1,600 ft. more or less, 4-conductor, rubber insulated lead sheathed, wire armored; 600 ft. 3-conductor rubber insulated, wire armored.

CHICAGO, ILL.—Arrangements are being made by the Simonds Mfg. Co., of Chicago, Ill., for the installation of a new electric generating unit and auxiliary equipment.

SHULLSBURG, WIS.—Bids are asked by W. S. Webb, City Clk., for a franchise for an electric lighting plant.

MALDEN, MO.—Archer, Rollins & Co., Kansas City, are preparing plans for an addition to the electric light plant. Estimated cost, $29,000. L. N. Allen is Deputy City Clk.

SAVANNAH, MO.—The citizens have voted to issue $7,500 of bonds for the construction of an electric light plant. R. L. Limerich is City Clk.

GALVESTON, TEX.—Bids will be received by V. E. Austin, City Secy., until Oct. 21, for furnishing one engine, direct-connected to generator, with a rating of not less than 150 KW., including switchboard and other accessories for the municipal electric light plant. Plans and specifications are on file at the office of the City Secretary and in the office of W. D. Masterson, City Supt. of Electricity, from whom copies can be secured upon application.

METALINE, WASH.—We are officially advised that the Lehigh Valley Cement Co. has awarded a contract to the SYLVESTER ENGINEERING CO., to construct a plant capable of developing 10,000 HP. at Metaline, Wash., and to cost between $300,000 and $350,000. The plant will develop the power in Sullivan Lake and Sullivan Creek, and will be located at the confluence of the creek and the Pend Oreille River above Metaline Falls, where a cement factory to cost $1,000,000 also will be constructed. A 40-ft. dam is to be built at the outlet of Sullivan Lake, in which enough water will be stored to maintain an average flow during the dry season sufficent to develop 10,000 HP. Another dam will be built across Sullivan Creek, three miles below the lake, and the water of the creek will be turned into a rectangular flume 6 x 9 ft. This will carry the water three miles further downstream and discharge it into the power plant, where it will take a sheer drop of 450 ft. When this water reaches the cups on the big water wheel it will be traveling at the rate of 100 miles a minute. Not all of the [illegible],000 HP. to be developed will be used by the cement plant, and the surplus will be sold to the mining companies in the Metaline district. Mr. Sylvester has already started a crew of men to work making a road to Sullivan Lake from the Pend Oreille River. The power plant is to be completed in ten months. Work on the construction of the cement plant has begun. It will have a capacity of [illegible] bbls. a day. The extension of the Idaho & Washington Northern will reach Ione early in November. The extension to Metaline will be made during the winter. The river is to be crossed at the Box Canyon.

LA GRANDE, ORE.—The citizens have voted in favor of issuing bonds for the construction of a municipal electric light plant.

ASTORIA, ORE.—Arrangements are being made by the Hammond Lumber Co., of Astoria, Ore., for the installation of two 800-KW. turbo-generator sets, with condensers, transformers and other auxiliary apparatus.

RIVERSIDE, CAL.—The City Council has approved the recommendations for installing ornamental street illumination in the business section, covering eleven blocks. Reinforced-concrete poles will be adopted.

LOS ANGELES, CAL.—The Board of Supervisors has awarded contract for lighting the new district of East Hollywood for a term of five years to the PACIFIC LIGHT & POWER CO., E. A. Beck, Supt., Los Angeles.

LITTLE RIVER, CAL.—The Little River Redwood Lumber Co. has awarded contract for the installation of an electric light plant at its plant in Little River, to the EUREKA ELECTRICAL & CONSTRUCTION CO., of Eureka, Cal.

SPANISH FORK CITY, UTAH.—The Secretary of the Interior has approved a contract entered into by the RECLAMATION SERVICE and the officials of Spanish Fork City, Utah, whereby the former agrees to furnish to the city of Spanish Fork electricity for lighting purposes in amount not to exceed 65,000 KW. per month. The rate charged is 8/10 cts. per KW.-hr. The Reclamation Service is developing considerable electric power from a drop in its main canal on the Strawberry Valley project, a portion of which is transmitted to the mountains and utilized in the excavation of a tunnel four miles in length. This tunnel will bring the waters of Strawberry River, a tributary of the Colorado River, through the Mountain Divide into Salt Lake Valley to irrigate 30,000 acres.

MORRISBURG, ONT.—The town has granted the Canadian Sheet Steel Corporation a 20-year franchise for its hydro-electric plant and right of way through the streets.

PETERBORO, ONT.—The Otonabee Power Co. have applied to this city for a 20-year franchise and if it is granted will spend $250,000 in uniting their two dams.

VANCOUVER, B. C.—The Burrard Power Co. has received a grant of 25,000 miners inches of water on the Lillooet River, 21 miles from here and will at once proceed with the erection of a large power plant.

CALGARY, ALTA.—We are officially advised that contract has been awarded for the construction of the main concrete dam, headworks, power-house, retaining walls, erection of steel racks, penstocks, sluice gates and other work necessary for the plant of the Calgary Power & Transmission Co. on the Bow River, about 45 miles west of here has been awarded to the WALKER-FYSHE CO., of Montreal, Que. The installation being made is for four units of 2,000 KW. each.

Contract for turbine and governors has been awarded to the JENS-ORTEN-BARING & CO., 9½ Union Court, Old Broad St., London, E. C., Eng.

Contracts for generators has been awarded to the CANADIAN GENERAL ELECTRIC CO., Toronto, and for one order of transformers to the SWEDISH GENERAL ELECTRIC CO. All contracts were awarded on Oct. 7. Smith, Kerry & Chace are Engrs., Confederation Life Bldg., Toronto, Ont.

BRIDGES.

(denotes that this work is advertised in Engineering News.)*

LEWISTON, ME.—The Grand Trunk Ry. has contracted with the PENNSYLVANIA STEEL CO., to replace all of its bridges between Lewiston Junction and Lewiston with new steel structures. There are four of these bridges in all, one over the Little Androscoggin River in Auburn, one over the Androscoggin River between Lewiston and Auburn and three others over small streams and brooks. The work will begin on the bridge over the main river to be followed by the others westward. H. G. Kelley is Ch. Engr., Montreal, Que.

OLDTOWN, MASS.—Contract has been awarded, bids opened on Sept. 28, by the Massachusetts Highway Commission for rebuilding the bridge over the Parker River here to the NEW ENGLAND CONTRACTING CO., of Worcester, Mass., at $13,168. List of bidders noted last week.

*PAWTUCKET, R. I.—Bids will be received until Oct. 23 at the office of F. B. Lawton, Secy., N. Main St. Bridge Comm., Industrial Trust Bldg., for constructing the N. Main St. bridge between the cities of Pawtucket and Central Falls. Appropriation, $5,000. This is a postponement from Sept. 30, due to an injunction asked for by the citizens of Central Falls to restrain the commission from erecting the bridge. Jas. A. Carpenter, City Engr.

CATSKILL, N. Y.—The following bids were opened on Sept. 25 for constructing a bridge over the Vosenkill at Main St.: (a) stone, (b) concrete and (c) stone bridge with

vitrified brick arch; George W. Holbridge (a) $6,825, (b) $5,286, (c) $6,325; Nicholas Leone, (a) 6,550, (b) 5,463, (c) 6,700; Edgar Johnson and Harry Holdridge, (a) $6,427, (b) $5,618, (c) $5,997; Union Bridge & Construction Co., (b) $4,954; Schweirs-Sutton Co., $7,484; Ferro-Concrete Co., $8,250.

FORT HUNTER, N. Y.—CHARLES W. RUNKLE and GARRETT NEWKIRK have been awarded contract for filling in the approaches to the new highway bridge across the Schoharie River here, at about $3,000. It will require about 4,000 cu. yds. of filling.

*WHITE PLAINS, N. Y.—Bids are asked by Frank J. Lamb, Town Clk., White Plains, until 4 p. m., Oct. 18, for the construction of an iron bridge over Mamaroneck River at Purdy Ave.

UTICA, N. Y.—Bids are asked by F. C. Stevens, Supt. Pub. Wks., until noon, Oct. 26, for the construction of a lift bridge over the Erie Canal at Seneca St., Utica. Estimated cost, $15,500. The bridge must be completed by May 1, 1910. Frank M. Williams is State Engr. and Surv.

*RYE, N. Y.—Bids will be received by George L. Henderson, Village Clk., until 8 p. m., Oct. 20, for the building of a bridge with abutments and retaining walls, filling in the roadway and building a macadam road on Highland Road, Rye. The bridge is to be built of 24-in. beams, with connecting arches of concrete. C. E. Nightingale is Village Engr.

NEW YORK, N. Y.—Bids are asked until 3 p. m., Oct. 28, by the Park Board, for work and materials required for the erection and completion of a bridge at Shore Road and First Ave., Boro. of Brooklyn.

*LANCASTER, PA.—Bids will be received by the York Furnace Bridge Co., Box 33, Lancaster, until 6 p. m., Oct. 16, for the construction of a steel cantilever bridge over Susquehanna River, near York Furnace Springs, in Mastic Township, Lancaster County, for the York Furnace Bridge Co. Bids should state price per cu. yd. for concrete for piers and abutments. Plans and specifications may be obtained at 140 North Queen St., Lancaster.

SLATINGTON, PA.—The Commissioners of Lehigh and Northampton Counties on Oct. 5 awarded contract for the erection of the new bridge to cross the Lehigh River from Slatington to Walnutport, to the PENN BRIDGE CO., of Beaver Falls, Pa., at $39,-915. Other bids were: Owego Bridge Co., $45,900; A. Buchanan Bridge Co., $58,990; Nelson & Merydith Co., $43,469; Horn & Neff, $44,500; G. H. Clader & Co., $43,200; W. H. Von Mengeringhausen & Co., $44,-716; G. H. Hardner, $42,600; York Bridge Co., $41,000; M. H. Stebbins, $42,000.

*DOUGLASSVILLE, PA.—WILLAUER & CO., of Pottstown, have been awarded contract by Berks County, A. L. Rhoads, County Controller, to rebuild one of the piers of the Douglassville bridge over the Schuylkill River, which will also be provided with an ice-breaker. Bids were opened on Sept. 29.

SALISBURY, MD.—The city and county will construct a 20-ft. span bridge with concrete abutments, flooring to be of reinforced concrete or steel girder, with wooden deck, work to be supervised by H. M. Clark, Road Engr., Wicomico County.

CHESTERTOWN, MD.—At a cost of $7,000 to each county the Talbot and Caroline County Commissioners have decided to rebuild the Dover bridge. The state also has agreed to build a mile and a quarter of stone road on each side of the bridge at a cost of $14,000.

NORFOLK, VA.—The city has voted $25,-000 of bonds for the construction of a bridge across the Dan River. W. T. Brooke is City Engr.

MONROE, N. C.—The Seaboard Air Line Ry. Co., W. L. Seddon, Ch. Engr., Portsmouth, Va., plans the construction of a steel overhead bridge across the tracks at foot of Church St.

PADUCAH, KY.—The Chicago, Burlington & Quincy R. R. Co., W. L. Breckenridge, Ch. Engr., Chicago, Ill., will construct a bridge connecting Paducah and Burlington, Ill.

CINCINNATI, OHIO.—THOMAS & ZESKE were awarded contract on Sept. 28 by the County Commissioners at $6,513, for constructing bridges and culverts on the Forfeit Run Road.

AKRON, OHIO.—P. T. McCOURT has been awarded contract by the County Commissioners at $9,401, for reconstruction of the old Gorge bridge on the Cuyahoga Road, for the county. Work includes a fill of 20,000 cu. yds. and some concrete work. The abutments will be raised 23 ft. higher, earth filled in behind them and part of the steel structure renewed.

LANCASTER, OHIO.—The MT. VERNON BRIDGE CO., Mt. Vernon, Ohio, has been awarded contract by the county at $3,350, for steel superstructure for bridge over Rush Creek, ¼ mile east of Bremen.

INDIANAPOLIS, IND.—Bids are asked by the Commissioners of Marion County until 10 a. m., Oct. 20, for the construction of a steel bridge and a steel culvert in Decatur Township. Albert Salm is County Audr.

MARION, IND.—Bids are asked by the Commissioners of Grant County until 2 p. m., Oct. 16, for the construction of two concrete arches. A. Y. Stout is County Audr.

SHELBYVILLE, IND.—Bids are asked by the Commissioners of Shelby County until Oct. 23 for the construction of a concrete steel reinforced culvert. G. B. Huntington is County Audr.

GRAND LEDGE, MICH.—Contract has been awarded to the HURON BRIDGE & IRON CO., of Port Huron, by the Common Council for the construction of a bridge, 3-span, of reinforced concrete across the Grand River at Bridge St. List of bidders noted last week.

CHICAGO, ILL.—Bids will be received until Oct. 15 by John J. Hanberg, Comr. Pub. Wks., for removing and disposing of the superstructure, turntable and center-pier protection of the Fuller St. bridge and dredging the river channel at the site of the bridge.

WADENA, MINN.—The CONTINENTAL BRIDGE CO., Minneapolis, Minn., has been awarded contract at $4,900, for constructing bridge over Crow Wing River in Orton Township. The bridge will be a 3-span structure of the low truss type, having no overhead work. It will be 150 ft. long and the center piers will be tubular, with steel piles and plate backing.

TOPEKA, KAN.—Bids will be received until Oct. 22 by the Board County Commissioners, F. B. Simons, Chn., for constructing a 150-ft. span steel bridge over Camp Creek, Monmouth Township.

TERRY, MONT.—The SECURITY BRIDGE CO., Billings, Mont., has been awarded contract at $41,800, for constructing bridge over the Yellowstone River here, bridge to be about 800 ft. long, with five concrete piers.

NASHVILLE, ARK.—Plans have been prepared for the construction of five new bridges for the county.

WALDRIP, TEX.—McCulloch and Coleman Counties are considering the construction of bridge across the Colorado River here.

CANON CITY, COLO.—The PUEBLO BRIDGE CO., Pueblo, Colo., has been awarded contract by the County Commissioners at $7,500, for constructing the steel bridge over river at Ninth St. for the city and county.

HOQUIAM, WASH.—A steel bridge to cost $50,000 and to be completed within six months, will be built across the Hoquiam River at Eighth St. to replace the old wooden structure recently condemned and which is being dismantled.

PENDLETON, ORE.—Bids were opened on Sept. 23 by the Commissioner of Indian Affairs, Washington, D. C., for furnishing material and constructing a bridge on the Umatilla Reservation (a) heavy construction, (b) light construction: Des Moines Bridge & Iron Co., Des Moines, Iowa, $12,994; International Construction Co., Seattle, Wash., (a) $9,068, (b) $8,192; A. Y. Bayne & Co., Minneapolis, Minn., (a) $14,362, (b) $13,550; Penn Bridge Co., Beaver Falls, Pa., (a) $14,390; Columbia Bridge Co., Portland, Ore., (b) $8,884; Minneapolis Steel & Bridge Co., Minneapolis, Minn., (a) $12,870.

EUREKA, CAL.—We are officially advised that a steel highway bridge is planned by Humboldt County for the year 1910. Estimated cost, $110,000. G. W. Conners is County Surv., Eureka.

OAKLAND, CAL.—Bids are asked by the Board of Supervisors, Oakland, until Oct. 18 for constructing a combination bridge over Alameda Creek on the Niles Canyon road in Niles Road District. Estimated cost, $10,-000.

PHOENIX, ARIZ.—Bids will be received by the Board of Supervisors until Nov. 2 for constructing the Center St. bridge from plans by Mayberry & Parker.

PETERBORO, ONT.—Contract for the construction of the reinforced-concrete bridge here has been let to E. & F. CONROY, Peterboro, by the City Council, at $28,457.

WINNIPEG, MAN.—The Civic Board of Works has approved plans for a new structure across the Red River where the Louise Bridge now stands. Estimated cost, $125,-000. H. N. Ruttan is City Engr.

BUILDINGS.

(* *denotes that this work is advertised in Engineering News.*)

SPRINGFIELD, MASS.—The Hampden Hotel Co., which is to build and operate the Hotel Kimball, at the corner of Bridge and Chestnut Sts., has awarded the contract for the foundations of the $750,000 building to FRED T. LEVY & CO., 307 Main St., Springfield. It is expected that this work will be completed in from four to six weeks, and that by that time the contract for the building itself will have been awarded. The excavation for the foundations and cellar is to go down 16 ft., and there will be between 6,000 and 7,000 cu. yds. of dirt to be removed. The foundation walls are to be of concrete, and 15,000 cu. yds. of the material will be required. The hotel will be 185 x 115 ft.

WORCESTER, MASS.—E. D. WARD, Foster St., has been awarded the contract to erect a building for the Fremont Corporation on Fremont St. It will cost $80,000. The building will be 114x200 ft., basement and two floors. The walls will be concrete at the base and the remainder in brick. All floors will be reinforced concrete construction. The roof will be tar and gravel, saw-tooth construction.

WATERBURY, CONN.—CHATFIELD & CHATFIELD, 94 Benedict St., have secured the general contract for the addition to the court-house for New Haven County. Their bid was $126,350. Other bidders were: J. W. Gaffney & Son, the Tracy Bros. Co., Louis A. Miller, of Meriden; and Sperry & Treat, of New Haven. GEORGE A. UPHAM has the contract for the carpenter work. The plans were drawn by Griggs & Hunt, Archs., 51 Leavenworth St., Waterbury.

MIDDLETOWN, CONN.—The trustees of the Connecticut Hospital for the Insane have awarded the contract for the construction of a Nurses' Home, 34x175 ft., three stories high, to the following: Mason work, RICHARD JOHNSON, Hartford, Conn., $38,918; carpenter work, GUSTAV LOWENTHAL, Fowler Ave., Middletown, $21,000.

NEW YORK, N. Y.—The Treasury Department, Washington, D. C., has begun the consideration of plans for the extension to the barge office in New York, the appropriation for which is $500,000. The first work in this connection will be the building of a new pier for the immigration service. James Knox Taylor is Super. Arch., Treasury Dept., Washington, D. C.

The 8-story apartment house to be built on the plot at 141 to 147 East 35th St., adjoining the Episcopal Church of the Ephiphany, for the Porterfield Construction Co., of which Henry W. Hodge is Pres., will have a frontage of 77 ft. and a depth of 83.9 ft. It will have a brick and limestone facade of Renaissance pattern; designed by Lawlor & Haase, Archs., 69 Wall St. There will be suites for 24 families. The estimated cost is $261,000.

NEW YORK, N. Y.—We are officially advised that Albert Morris, Arch., 103 Park Ave., is drawing plans for four 5-story apartment houses 40x97 ft., to be erected at the southeast corner of 180th St. and Clinton Ave. for the Brook Construction Co., 60 Liberty St. The building will cost about $110,000. Contracts are being let by the owner.

Maximilian Zipkes, Arch., 353 Fifth Ave., has completed plans for a 6-story elevator apartment house to be erected at the southeast corner of Tiffany and 163d Sts., The Bronx. The building will have a stone and brick front. The cost is estimated at $150,-000. The Zipkes Construction Co., owner, will take estimates at the office of the architect.

Final plans will be completed about Nov. 1 for a 21-story hotel building which Alfred Gwynne Vanderbilt is to erect at the southwest corner of Park Ave. and 34th St., between 33d and 34th Sts., fronting 197.6 ft. on Park Ave. and 80 ft. on both 33d and 34th Sts. The contract for steel has been awarded. The City Leasing Co., 54 Wall st., of which Joseph W. Welch is Pres., is the lessee. Warren & Wetmore, 3 East 33d St., are Archs., estimate the building and equipment at about $2,000,000.

Neville & Bagge, 217 West 125th St., Archs., have prepared plans for an 8-story high class elevator apartment house, 65x 84.11 ft., to be erected by the Bagge Construction Co., 217 West 125th St., in the north side of 156th St., 185 east of Riverside Drive, to cost in the neighborhood of $250,000.

NEW YORK, N. Y.—Bids are asked until 3 p. m., Oct 19, by John W. Brannan, Pres. Bd. of Trustees of Bellevue and Allied Hospitals for repairs and alterations to the present steam heating apparatus of the Mills Training School of Bellevue Hospital, 26th St., and First Ave., New York City.

The general contract for the proposed theater building to be erected by the Acme Theatre Co., Henry C. Miner, 1402 Broadway, Prest., on the west side of Brook Ave., 50 ft. south of 156th St., the Bronx, has been awarded to CRAMP & CO., 36 East 23d St., New York, and Commonwealth Bldg., Philadelphia, Pa. The structure is to be fireproof, with offices over the Third Ave. entrance, and will cost approximately $200,-000. George Keister, 12 West 31st St., is Arch.

Plans have been filed for enlarging the Athens, a 5-story hotel, 30 East 42d St., near the Grand Central Station, by the addition of a 6-story annex, having a frontage of 29.9 ft. and extending through the block to 41 and 43 East 41st St. The improvement is to be made for the Athens Hotel Co., Demester Polymere, Prest., at a cost of $80,000. The annex will be built from plans by N. C. Mellen, Arch., 45 West 34th St.

George Keister, Arch., 12 West 31st St., has been commissioned to prepare plans for the store and loft building which the executors of the estate of Frank B. McDonald are to erect at the southwest corner of Sixth Ave., and 32d St., extending about 50 ft. on the avenue and about 75 ft. in 32d St. James E. McDonald, 60 Wall St., is Executor. No building contract has been awarded, and definite plans will not be determined upon until the question of the widening of 32d St. has been settled.

NEW YORK, N. Y.—We are officially advised that Herbert M. Baer, Arch., 542 Fifth Ave., has prepared plans for the 3-story restaurant building, 78.9x177 ft., to be erected by James Churchill at Broadway and 49th St. The new structure will be three stories high and will cost about $200,000. Bids will be received on Oct. 20.

The Gerard Operating Co., 1423 St. Nicholas Ave., will erect in the north side of 182d St., 125 ft. east of St. Nicholas Ave., a 5-story flat building, 75x67.9 ft., to cost $65,000. George Fred Pelham, 507 Fifth Ave., is preparing plans.

The general contract for the Riverside Exchange Telephone Building, No. 112 West 89th St., which is to be enlarged with two or more additional stories and other important changes, at a cost of about $100,-000, has been awarded to the E. E. PAUL CO., 289 Fourth Ave., from plans by Eidlitz & McKenzie, 1123 Broadway. R. M. Ferris is Chf. Engr. for the New York Telephone Co., 15 Dey St.

James B. Baker, Arch., 156 Fifth Ave., is completing plans for the 10-story brick warehouse, 125x100 ft., to be erected at 557-561 West 29th St. and 306-310 Eleventh Ave., at a cost of about $150,000. No figures have been taken or contracts let.

The following bids were received on Oct. 7 by the Department of Correction for furnishing all the labor and materials required to install a steam heating system in the buildings comprising the workhouse, Blackwell's Island: Albert Winternitz, 237 East 72d St., New York, $37,000; Evans Almirall & Co., 281 Water St., New York, $47,693; Wells & Newton Co., Avenue B and 17th St., New York, $49,216; James Curran Mfg. Co., 512 West 36th St., New York, $47,000; Thompson Starrett Co., 49 Wall St., New York, $46,900; William Horne Co., 72 West 132d St., New York, $37,940; E. Rutzler Co., 404 E. 49th St., New York, $47,200; P. Dobson, 319 East 53rd St., New York, $41,850; F. W. Waggoner Co., $32,000; Blake & Williams, 211 West 20th St., New York, $43,980.

NEW YORK, N. Y.—Bids are asked until 10.30 a. m., Oct. 25, by Nicholas J. Hayes, Fire Comr., for furnishing all the labor and materials required for additions and alterations to building of Engine Co. No. 115, located at 88 India St., Boro. of Brooklyn.

Bids are asked until 10 a. m., Oct. 26, by William F. Baker, Police Comr., for furnishing all the labor and material required in the erection and completion of a new boiler house, and the installation of new low-pressure heating boilers, and general repairs and alterations to the present heating system at the 168th Precinct Police Station House, West Eighth St., near Surf Ave., Coney Island, Boro. of Brooklyn.

NEW YORK, N. Y.—The Gilsey House property was sold on Oct. 12 for $1,500,000 to John E. Olson, 39 East 28th St. A 24-story office building is to be erected on the plot and sketches of the proposed building are being prepared by James Riley Gordon, 402 Fifth Ave. The building to be erected will be of terra cotta and limestone and will cost about $1,250,000. The plot has a frontage on Broadway of 64.5 ft. and of 148.8 ft. on 29th St.

NEW YORK, N. Y.—We are officially advised that the Pocone Building Co., 126 Fifth Ave., has decided to build in this city a central salesroom and warehouse for the selling department of the American Woolen Co., 126 Fifth Ave. The new building will be erected on Fourth Ave. and 18th St., and will be 185x218 ft. The probable cost is about $1,000,000, including land. The buildings are to be financed by the American Woolen Co., which will use the greater portion of the 18 floors itself, renting such space as it does not now require. The new building probably will be finished for occupancy about Feb. 1, 1910. The contract has been let to the SEABOARD REALTY CO., 320 Fifth Ave. R. H. Robertson & Son, 160 Fifth Ave., are Archs.

Ernest Flagg, 35 Wall St., owner and architect, has completed plans for the 6-story flat building, 100x88.5 ft., which he will erect at 506-516 West 47th St., costing $95,-000.

Edward J. Byrne, Arch., 3025 Third Ave., is preparing plans for a 6-story flat house, 50x87 ft., to be erected in the south side of 143d St., 550 ft. east of Willis Ave., for Henry S. Gamp. Cost, $52,000.

The same architect is preparing plans for four 5-story flat houses, 40x76 ft., and 37x 72 ft., to be erected at the southwest corner of St. Ann's Ave. and 149th St., the Bronx, for the Moorehead Realty & Construction Co. Cost, $125,000.

JAMESTOWN, N. Y.—We are officially advised that bids were received on Sept. 24 for the City Hospital building, to be 40x100 ft., three stories and basement, stone and brick, of fireproof construction, John H. Coxhead, is Arch., 930 Ellicott Sq. Bldg., Buffalo, N. Y. Dr. Jason Parker is Chn. Hospital Commission. Estimated cost, $50,-000; equipment, $10,000. The general contract has been let to SHELLBERG & LINDQUIST, of Jamestown. The plumbing contract will be let between Oct. 14 and 24.

HAMBURG, N. Y.—Bids are asked until 6 p. m., Oct. 20, by School District No. 1 for constructing a brick and stone school building, three stories high and to cost $45,-000 complete. Thomas W. Harris, Erie County Bank Bldg., Buffalo, N. Y., is Arch.

BUFFALO, N. Y.—We are officially advised that the DUROLITHIC CO., 460 Ellicott Sq., has been awarded the contract to construct a 3-story and basement Thermal Research Building, for the American Radiator Co., Elmwood Ave., Buffalo, N. Y. The building will be 122.8x240 ft. of pressed brick with stone cornice, trimmings, etc., constructed of steel frame with tile floors, reinforced concrete roof, quartered oak finish, plate glass, elevators, plumbing, heating, etc. Cost, $115,000.

NEWARK, N. J.—An apartment house is to be erected at the southeast corner of Academy and Summit Sts., Newark. The plans are by Nathan Myers, Arch., 39 Hillsdale Ave., Newark. The structure will be 99x65 ft., 4 stories high, containing accommodations for 28 families, besides janitor's quarters. The interior will be divided by three fire walls running the height of the building, separating each floor into four sections and preventing fire from penetrating from one to the other. Fireproof dumbwaiter equipment and sanitary garbage closets will be installed. The exterior construction will be bluestone at the base, light brick for the first story and underneath the metal cornice. The main building will be of red brick. Flower balconies will be placed at the first story level. The yards and sidewalks will be cemented. Estimates for the biulding have been received at the architect's office and the work will probably begin this fall. The cost will be approximate $40,000. The James Manning Estate is the owner.

JERSEY CITY, N. J.—Work will be commenced immediately on the two fireproof warehouses which Manning, Maxwell & Moore, 85 Liberty St., New York, will erect at Communipaw Ave. and the Morris Canal. The buildings are to cost $90,000.

PHILADELPHIA, PA.—Advocates of a Trades Building and convention hall, to cost $2,500,000, are laying plans to present this project before the second meeting of business men to be called by the mayor in the interest of municipal development. Ralph E. White, Penn Bldg., has already prepared the architectural plans for a hall and 25-story office building, surmounted by a tower, to adjoin and ornament the general scheme for the auditorium, which will be required to have a seating capacity of 20,000 persons.

As a site for a large residence he is about to have erected at Bala, Frank H. Moss, of the firm of Haslett & Moss., has bought a lot on the southeast side of City Ave. between Monument and Belmont Aves. Plans for the house, which will cost $40,000, have been finished by Baker & Dallett, Archs.,

1629 Chestnut St., and the contract for the work awarded to WILLIAM R. DOUGHERTY, 1604 Sansom St.

A contract has been let to WILLIAM STEEL & SONS CO., 1600 Arch St., for a 4-story brick and concrete storage building, 133.33x71.6 ft., to be built on the east side Trenton Ave., above Oakdale St., for A. G. Spalding & Bros. Cost, $57,000.

Clark Dillenbeck, Arch., has completed plans for a $40,000 passenger station to replace the present structure at Ninth street and Columbia Ave., for the Philadelphia & Reading R. R. Co. A temporary station, which will be used while the new structure is being erected, has been completed at the corner of the railroad and Oxford St. William Hunter, Philadelphia, is Ch. Engr.

PITTSBURG, PA.—It is stated that the Directors of the Y. M. C. A. will erect a central building here to cost between $400,000 and $500,000.

WASHINGTON, D. C.—The Department of Interior has awarded contract to the BOYLE-ROBERTSON CONSTRUCTION CO., Union Trust Bldg., Washington, for erection of Science Hall, three stories and basement, 127 × 65 ft., of reinforced-concrete construction, fireproof, stone with ornamental terra-cotta; direct indirect heating plant, forced draft ventilation and electric lighting. Cost, $80,000. J. H. De Sibour, 527 Fifth Ave., New York and Washington, is Arch.

RICHMOND, VA.—James Knox Taylor, Superv. Arch., Treasury Dept., has announced the rejection of all the bids for the public building at Richmond, Va. New bids will be advertised. The rejection of the old bids was mainly on the ground that they exceeded the appropriation for the building by approximately $50,000.

NORFOLK, VA.—Bids will be received by Neff & Thompson, Archs., Seaboard Bank Bldg., Norfolk, until Oct. 18, for erection of proposed fireproof high school, 276 × 112 ft. Lawrence T. Royster is Chn. School Board. Appropriation, $250,000.

FAIRMONT, W. VA.—The Watson Co. has awarded contract to WILLIAM MILLER & SONS, 28 Federal St., Pittsburg, Pa., for erection of a $300,000 office building. Horace Trumbauer, 1408 Land Title Bldg., Philadelphia, Pa., is Arch. The structure will be 70 × 100 ft., ten or 14 stories high, faced with Indiana limestone.

CHARLESTON, W. VA.—Samuel Stephenson and Charles Alderson have had plans prepared by Harding & Upman, 729 15th St. N. W., Washington, D. C., for an office building, 94 × 40 ft., steel frame, twelve stories, of granite finish to third story; above of gray brick. Cost, $150,000. The MOORE CONSTRUCTION CO., of Charleston, has contract for foundation.

MACON, GA.—The Georgia Life Insurance Co. has purchased Masonic Hall building and will expend $100,000 for remodeling.

SHREVEPORT, LA.—The city has plans by Edward Neild, Shreveport, for a proposed high school, three stories and basement, of brick and to cost $60,000.

CLEVELAND, OHIO.—The city officials and representatives of railroad and steamboat lines met recently to discuss matters regarding a union station proposed for Cleveland and switchback facilities to the East Ninth St. pier. The following railroad representatives were present: D. C. Moon, Gen. Mgr., and E. J. Jerome, Asst. Gen. Counsel of the Lake Shore & Michigan Ry. Co., both of Cleveland; Thomas Rodd, Pittsburg., Asst. Ch. Engr., T. B. Hamilton, Cleveland, Supt., and Andrew Squire, Atty. of the Pennsylvania R. R. Co. Estimated cost of station, $2,000,000.

It is stated that the Brotherhood of Locomotive Engineers will erect a building here to cost $1,000,000. W. T. Christi, of New Orleans, is a member of the Committee on Adjustment.

LANCASTER, OHIO.—Bids were received as follows on Oct. 6 by James Knox Taylor, Superv. Arch. of the Treasury Dept., Washington, D. C., for the construction of a post-office building at Lancaster, Ohio: James De Vault & Son, Canton, Ohio, $58,500; John G. Unkefer & Co., Minerva, Ohio, $63,322; Robt. H. Evans & Co., Columbus, Ohio, $65,000; McHenry-Beatty Co., East Liverpool, Ohio, $66,360; J. Carl Crook, Lancaster, Ohio, $68,596; Francis Bros. Co., Columbus, Ohio, $73,928; Henry Karg, Westerville, Ohio, $61,305; John W. Heckard, Columbus, Ohio, $67,903. Time, Nov. 1, 1910.

INDIANAPOLIS, IND.—E. M. Brown, West Washington St. and River Ave., will receive bids for the erection of a storage warehouse on West Washington St. The structure will be of brick, four stories high, 84 × 182 ft., with store front and entrance. A separate bid will be received for the installation of passenger and freight elevators.

BLOOMFIELD, IND.—The Commissioners of Greene County will readvertise for bids for the erection of a jail. The bids received exceeded the appropriation and cannot be accepted.

LEBANON, IND.—We are officially advised that the County Commissioners have adopted the plans of J. T. Hutton, Arch., of Hammond, Ind., for a court-house. The contract was let on Oct. 4. The building will be erected on the site of the old court-house now being razed, and the estimated cost, exclusive of furnishings, was $220,000; equipment, $30,000. It is to be 105 × 141 ft., exclusive of the projecting entrances on the four fronts. The height from the grade line to the top of the dome is 120 ft. CALDWELL & DRAKE, of Columbus, Ind., are general contractors, at $225,590. Metal fixtures, furniture, decorating and art glass contracts will be let later.

*BELLEVILLE, IND.—Bids are asked until 3 p. m., Nov. 16, by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., for the construction (including plumbing, gas-piping, heating apparatus, electric conduits and wiring), of the U. S. post-office at Belleville.

SALEM, ILL.—We are officially advised that Marion County is to erect a court-house to cost $100,000. The structure will be three stories high, 90 × 112 ft., and will be modeled after the Champaign County court-house. Bids will be received about Dec. 1. J. W. Royer, Urbana, Ill., is Arch.

ASHLAND, WIS.—It is reported that the Board of Trustees of St. Joseph's Hospital have decided to ask for plans and specifications for the proposed hospital building, to be erected in the spring of 1910.

MILWAUKEE, WIS.—The LEWIS CONSTRUCTION CO., Patton Bldg., Milwaukee, has been awarded the mason contract for the $65,000 home building for Milwaukee Rescue Mission on Fifth St., between State and Prairie Sts., to be of reinforced-concrete construction, 50x120 ft., four stories high. Leenhouts & Guthrie, Miller Block, are Archs. F. WENDT has been awarded the carpenter contract.

FORT DODGE, IOWA.—Bids are asked by James Knox Taylor, Superv. Arch., Treasury Dept., Washington, D. C., until 3 p. m., Nov. 11, for the extension, remodeling, etc. (including plumbing, gas piping, heating apparatus, electric wiring and conduits and standard clock system) of the U. S. post-office at Fort Dodge.

ST. PAUL, MINN.—The contract for the superstructure of the Shubert Theater at Exchange and Wabasha Sts., has been awarded to CAMERON & CO., 619 Ryan Annex, St. Paul. The foundation is being completed by Cameron & Co. The structure is being erected by George Benz & Sons, St. Paul, and will be occupied by the Shuberts on a long-term lease. Plans were worked out by Marshall & Fox, Archs., 1416 Broadway, New York, and First National Bank Bldg., Chicago, Ill., and the work is being supervised on behalf of the owners by Beuchner & Orth, Archs., Manhattan Bldg., St. Paul, Minn. Its cost will aggregate about $200,000.

Bids will be received until noon, Nov. 8, by Daniel W. Lawler, Mayor and C. W. Gordon, Pres. of the Board of School Inspectors, for the construction of the proposed West End high school at Marshall Ave. and Lexington Boulevard. Plans have been prepared by C. H. Johnston, Manhattan Bldg., St. Paul, Archt. The structure will be built of pressed brick and cut stone, three stories, of reinforced concrete fireproof construction. It will have slate or tile roof, a gymnasium, and assemly hall seating 1,200. The appropriation is $375,000.

KANSAS CITY, MO.—The Directors of the Kansas City Terminal Co., at a meeting recently held in Chicago took steps toward building the proposed terminals and passenger station in Kansas City. H. L. Harmen, Pres. Kansas City Belt Ry. Co., Kansas City, was authorized to appoint several committees to handle various branches of the work. It is probable three different committees will be appointed. Considerable property must be acquired before the work of building can be begun. If this property is acquired as soon as expected it is probable work will be begun within 60 days.

ST. LOUIS, MO.—The Langan & Taylor building at the southwest corner of Delmar and Euclid Aves. is to be started at once. Ground has been broken for the building. It will occupy a lot fronting 155 ft. on Delmar Ave. and 135 ft. on Euclid and will be eight stories high. The building will provide for a roof garden, Turkish bath emporium, billiard rooms, bowling alleys, buffet, stores and offices. In addition, the six upper floors will be arranged for storage purposes for Langan & Taylor. The ground floor will be divided into seven stores. The buffet and Turkish bath will be in the basement and the space has already been leased. Two electric elevators will carry passengers to and from the roof garden. The building and ground will represent an investment of $450,000. The enterprise was prompted by the M. S. Fuqua Realty Co. The design was made by Widman & Walsh, Archs., Wainwright Bldg., and the contract has been awarded to the KELLERMANN CONTRACTING CO., Roe Bldg. It will be a reinforced-concrete structure and the exterior will be highly ornamental.

VANCOUVER, WASH.—The Sisters of Charity of the House of Providence have advertised for bids for the proposed $125,000 structure. All plans have been completed by Berndt & Tegon, Portland, Ore. The name of the hospital will be St. Joseph's and it will be located between Twelfth and Thirteenth, and East D and Reserve Sts.

SEATTLE, WASH.—C. D. Watson is to build a 4-story brick hotel with steel frame at the southeast corner of King and Maynard Sts., that will cost when completed, $50,000. F. H. Perkins, Arch., has called for the bids on the structure.

A 12-story office building has been planned for the southwest corner of Stewart St. and Third Ave. H. Ryan, Globe Block, Seattle, has been selected as the architect. This building will be ready by January, 1911, and will cost $400,000.

ASTORIA, ORE.—Astoria Lodge, No. 100, B. P. O. E., has adopted the preliminary plans for its proposed lodge building, which is to cost $40,000. The structure will be either pressed brick or concrete.

LOS ANGELES, CAL.—A contract has been let for a 7-story store and loft building, to be erected at 644-646 South Broadway for J. E. Carr. R. B. Young, Arch., Lankershim Bldg., prepared the plans. The building will be built of brick and concrete, and will have a basement. The contract has been let to D. W. AARON for $103,000.

The building at 629 South Broadway is being razed, and the erection of the new structure will be commenced immediately. The building will be 71 × 145 ft. A foundation for a 10-story building will be constructed, but whether ten stories will be erected at once or construction stopped temporarily when four have been completed has not yet been decided. If but four stories are built immediately, six more will be added later. Four stories will cost about $120,000, and will be finished in seven months. The cost of ten stories would be $160,000, and nine months the time of construction. Brick, steel and concrete will be the materials used, and above the first floor it will be a loft building. The Co-Tenant Co. will erect the building, the lot on which it will stand being the property of Mrs. Clara Farwell and Mrs. Frances Howes. Blenkiron Bros. and associates have leased the entire building for 20 years. The plans for the building were prepared by Dennis & Farwell, Archs., Fay Bldg.

LONG BEACH, CAL.—The Long Beach Building Association will erect a 3-story apartment house at foot of American Ave. to cost $50,000.

SAN FRANCISCO, CAL.—As a result of a meeting held recently by the committee appointed to select a site for the State Armory the contract for the purchase of the block bounded by Van Ness Ave., Polk, Bay and North Point Sts., from the owner, Mrs. Harriet De Witt Kittle, was signed by the Governor and every member of the committee. Those present at the meeting were the Governor, Frank Anderson, W. B. Bourn, A. W. Foster, J. D. Grant, I. W. Hellman, Jr., Col. J. R. Howell, George A. Newhall, Leon Sloss, Henry T. Scott and Capt. A. H. Payson. The State has appropriated a sum for the erection of the building, the appropriation being contingent on the city of San Francisco purchasing the land needed for the site of the armory, and deeding it to the State of California.

Excavation for an office building at the southwest corner of California and Battery Sts. has been started, the plans and specifications having been completed by W. L. Schmolle, Arch. The building is being erected by Mrs. G. S. B. Saunders, who has given it the name of the former building upon the same site, the "Insurance Building." The architect has designed a structure ten stories high in Class A, erected upon a heavy pile foundation, supplemented by a continuous reinforced-concrete slab. All the exterior details are to be rendered in concrete, finished in very light tones. For the present, the building will be carried up to the fifth story, and a temporary cornice will be run around the top, but it is the intention of the owner to add the other stories as soon as expedient. In addition to the corner part of the ground floor there will be 100 offices and three stores, the latter being intended for insurance offices. The total cost of the work to be done now is $145,800. As the building will have a frontage of 89 ft. on Battery St. and 103.8¼ ft. on California St., the architect has demonstrated that a steel frame Class A building may be erected here at a cost not much above the price of Class C structures.

MONTREAL, QUE.—Sir Thomas Shaughnessy, Pres. Canadian Pacific Ry. Co., has approved of the plans of the C. P. R. Windsor St. station extension, which will come up for executive consideration at the annual meeting, and which, it is understood will cost about $1,500,000. The new structure will give some hundreds of additional rooms so far as office accommodation is concerned. With the fall in the elevation in St. Antoine St. the main building will rise to seven stories at that end, and the lower tower, about 100 ft. from the St. Antoine St. end, will be at the height of twelve stories from the street level, all devoted to additional office accommodation. There will be a waiting room and concourse, which will follow the general lines of the South Station at Boston.

Warren & Wetmore, Archs., 3 East 33d St., New York, are preparing plans for a hotel to be erected here by British and French capitalists, which will cost approximately $3,000,000.

FORT WILLIAM, ONT.—The contract for constructing the Canadian Pacific Ry. depot here has been let to J. McDERMID & CO., Langside and Portage Sts., Winnipeg, Man.

WINNIPEG, MAN.—The contract for the West End exchange to be erected here by the Manitoba Government Telephone Commission has been let to J. J. & J. M. KELLY, of this city, at $43,000. The switchboard will be installed by the NORTHERN ELECTRIC & MFG. CO., Notre Dame St. W. and Guy St., Montreal, at $150,000.

EDMONTON, ALTA.—Molson's Bank is having plans prepared by the Toronto office for a bank building here to cost $50,000.

CALGARY, ALTA.—Plans and specifications have been completed for the proposed Y. W. C. A. building here to cost $48,000. Bids for construction will be called for this month.

VICTORIA, B. C.—LUNEY BROS., of this city, have been awarded the contract for a reinforced-concrete bank building on Government St. for the Royal Bank of Canada.

HONOLULU.—York & Sawyer, Archs., 156 Fifth Ave., New York, have been selected, in competition, to furnish plans and specifications for the U. S. post-office building at Honolulu, to cost $850,000. James Knox Taylor is Superv. Arch., Treasury Dept., Washington, D. C.

WATER SUPPLY—IRRIGATION.

HINGHAM, MASS.—Bids are asked until 11 a. m., Oct. 30, by the Bureau of Yards and Docks, Navy Department, Washington, D. C., for fresh water system at the U. S. Naval Magazine here. William M. Smith is Acting Comr., Bureau. Specifications are on file at the office of Engineering News, New York.

NEW BRITAIN, CONN.—The Water Board is considering the installation of a standpipe near Jerome St. to increase the water supply in the northwestern section of city. Estimated cost, $38,000.

WAVERLY, N. Y.—Knight & Hopkins, of Rome, N. Y., are making surveys for the Waverly Water Co., with a view to enlarging one of its reservoirs.

*OLIVE, N. Y.—Bids are asked until 11 a. m., Oct. 27, by the Board of Water Supply, for furnishing and installing four 48-in. controlling valves with expansion pieces, operating mechanisms and appurtenances at lower gate-chamber of Ashokan reservoir, near Brown's Station, in the town of Olive, N. Y. J. Waldo Smith is Ch. Engr.

*COMSTOCK, N. Y.—The bids received by C. V. Collins, Supt. of State Prisons, Albany, on Oct. 5, for the construction of a new water supply system at the Great Meadow Prison at Comstock, were as follows: M. Fitzgerald, Hoosick Falls, N. Y., $[illegible]; MacArthur Bros. Co., 11 Pine St., New York, $48,484; Kingsbury Construction Co., Sandy Hill, N. Y., $57,541.

AVON-BY-THE-SEA, N. J.—Contract for extending the water system a distance of 6,100 ft., bids opened Sept. 27, has been awarded to JOHN SMITH, of Spring Lake, N. J., at 67 cts. per lin. ft. Leon C. Taylor is Boro. Clk.

*HALEDON, N. J.—Bids will be received until 8 p. m., Oct. 19, by William J. Turner, Boro. Clk., 459 Belmont Ave., for constructing a slow sand filter plant, a filtered water reservoir, etc. William B. Fuller is Engr., 150 Nassau St., New York.

LODI, N. J.—Bids were opened on Sept. 20 by the Borough Council for the construction and installation of a water supply system consisting of the following approximate quantities: 27,300 lin. ft. of 6-in., and 4-in. iron pipe, 5,500 lin. ft. of 8-in., 10-in. and 18-in. c.-i. pipe, 87 hydrants, fire, 170 gate valves, 50 × 100 ft. 500,000-gallon reinforced-concrete covered reservoir, 500 ft. 12-in. driven well, together with pumping station pumps, engines and all other appurtenances. Contracts have been awarded as follows: To W. P. PARTRIDGE & CO., Scranton, Pa., at $33,418 for laying pipe and fire hydrants, in place; to NORCROSS & EDMUNDS, 211 Penn Sq. Bldg., Philadelphia, Pa., at $9,350 for pumping station and building reservoir.

BRADFORD, PA.—Contract for enlarging reservoir, bids opened Sept. 20, has been awarded to the NORTHWESTERN CONSTRUCTION CO., of Franklin, at $96,257. List of bidders noted last week. B. A. Wise is City Engr.

PITTSBURG, PA.—Plans and specifications are on file at the office of Engineering News, New York, for furnishing and installing two 7,000,000-gallon pumping engines in the pumping station on Mission St., South side. Bids are asked until Oct. 20. Joseph G. Armstrong is Dir. Pub. Wks.

*CHRISTIANSBURG, VA.—Bids were received by John R. Johnson, Chn. Special Water Com., Christiansburg, on Oct. 6, for laying complete the following approximate quantities of c.-i. pipes: 10-in., 1.5 miles; 8-in., 2.4 miles; 6-in., 2.2 miles, and short runs of other sizes. The lowest bid submitted was the joint bid of W. E. Sexton, Mineola, N. Y., and W. G. Fritz, Dover, N. J., at $6,640. Howard Murphy is Engr.

ANDREWS, N. C.—It is proposed to construct water-works here. Estimated cost, about $20,000. J. B. McCrary & Co., or Atlanta, Ga., are Engrs.

HIGH POINT, N. C.—The city has awarded contract at $22,961 to the U. S. CONSTRUCTION CO., Columbus, Ohio, for improvements to water-works, reservoir, dam, etc. Gilbert C. White, Durham, N. C., is Engr.

MOORESVILLE, N. C.—Bids were opened Oct. 1 by the city for the construction of water-works from plans of Adlai Osborne, of Newton. Contract has been awarded to TUCKER & LAX CO., of Charlotte, at $8,719. Other bids received were as follows: J. M. Edwards, Hickory, N. C., $8,772; McCay Engineering Co., Baltimore, Md., $9,117; W. E. Sexton, Mineola (L. I.), N. Y., $9,331; Weston & Brookes, Columbia, S. C., $9,440; Graham, Davidson & Co., Richmond, Va., $10,596.

ROCK HILL, S. C.—The Rock Hill Water & Electric Co., incorporated with $100,000 capital stock by R. T. Fewell and P. A. Wilcox, will operate Rock Hill Water, Light & Power Co.'s plant, recently purchased by Martin Maloney, Philadelphia, Pa. Water and light plants will be improved, and capacity of each increased.

JEFFERSON, GA.—See item under Light and Power Plants.

KEY WEST, FLA.—Bids will be received until 11 a. m., Nov. 6 by Bureau of Yards and Docks, Navy Department, Washington, D. C., William M. Smith, Acting Ch., for a concrete cistern at U. S. Naval Station, Key West, according to Specification No. 1667. Appropriation, $25,000. Specifications are on file at the office of Engineering News, New York.

ACKERMAN, MISS.—The city has voted an issuance of bonds for the construction of water-works.

FORT ST. PHILIP, LA.—Contract for installing water-works here has been awarded to the GENERAL CONTRACT CO. at $39,961 and for sewer system to AIKEN O'REILLY at 3,650, both of New Orleans.

CINCINNATI, OHIO.—Bids were opened on Sept. 27 by the Board of Public Service for furnishing and delivering c.-i. pipe and special castings for the water mains required for the distribution system of the city. Contract has been awarded to the U. S. CAST IRON PIPE & FOUNDRY CO., 71 Broadway, New York, at about $25,610.

*CINCINNATI, OHIO.—Bids are asked until 2 p. m., Nov. 15, by Lieut.-Col. J. G. Warren, Corps Engrs., U. S. A., U. S. Engineer's Office, Cincinnati, for furnishing and installing a water system at Dam No. 37, Ohio River.

COLUMBUS, OHIO.—Bids will be received until Oct. 20 by the Board Public Service, E. W. Hirsch, Secy., for about 200 tons of 6, 8 and 12-in. c.-i. pipe for the Water Works Department.

PONTIAC, MICH.—The City Council has passed a resolution, providing for the issue of $125,000 of bonds to extend the city's water supply. An election will be held to vote on the question on Nov. 1. The proposed improvements will consist of a 2,000,000-gallon reservoir with eight new wells and a new 5,000,000-gallon pump and several miles of new water mains.

EAST MOLINE, ILL.—The MOLINE HEATING & CONSTRUCTION CO., of Moline, has secured contract for laying water mains in Factory Ave. at $8,698. Bids were opened on Sept. 27.

SEYMOUR, IOWA.—Bids were opened on Sept. 27 by the Mayor and Council for material for water-works. Contracts have been awarded as follows: To U. S. CAST IRON PIPE & FOUNDRY CO., for c.-i. pipe, $27.95 and $28.70 per ton and specials 2.75 cts. per lb.; to the GOULD CO., for power pumping machinery and motor, $1,470, and to the RENSSELAER MFG. CO., of Troy, N. Y., for hydrants, valves and boxes. George Cadogan Morgan, 169 Jackson Boulevard, Chicago, Ill., is Engr.

COLD SPRINGS, MINN.—Contract for constructing water-works here has been awarded to the COOK CONSTRUCTION CO., Chicago, Ill., at $13,975.

BELDEN, NEB.—Bids are asked by F. B. Barber, Village Clk., until Nov. 4, for the construction of water-works. Estimated cost, about $8,000. Arnold C. Koenig, Bee Bldg., Omaha, is Engr.

WAGNER, S. DAK.—Contract for approximately 3,000 ft. of 6-in. water mains, with hydrants, bids opened on Sept. 20 by the city, has been awarded to GUY E. SMITH, of Indianola, Iowa.

RAPID CITY, S. DAK.—Bids will be received until 2 p. m., Oct. 28 by R. G. Valentine, Comr. Indian Affairs, Washington, D. C., for furnishing material and constructing a gravity water system at the Rapid City Indian School. Jesse F. Nouse is Supt., Rapid City.

PORT O'CONNOR, TEX.—Port O'Connor Townsite Co., H. G. Hertel, Pres., Victoria, Tex., will install pneumatic system water supply.

CUERO, TEX.—The city has voted $17,000 of bonds for improvements to water-works. Artesian wells will be drilled.

EL RENO, OKLA.—Burns & McDonnell, Engrs., Scarritt Bldg., Kansas City, Mo., have prepared estimate of cost of present water-works and also of constructing new system. Estimate of new plant will be on basis of capacity of 3,000 gallons.

OKLAHOMA CITY, OKLA.—Bids are asked by the city for pump, electric apparatus, etc., for water-works extension. Estimated cost, $60,000. W. C. Burke is City Engr.

HUGO, OKLA.—The city has voted $35,000 of bonds for extension of the water-works.

CHICKASHA, OKLA.—The city has voted $190,000 of bonds for extension and improvement of water and sewerage systems.

GRANFIELD, OKLA.—The citizens have voted $20,000 of bonds for the construction of a system of water-works.

CORTEZ, COLO.—Bids will be received by Charles W. Comstock, State Engr., Denver, until Oct. 23 for sinking an artesian well at or near here.

*FORT COLLINS, COLO.—The Larimie-Poudre Reservoir & Irrigation Co., W. Hibbard, Mgr., Fort Collins, is ready to receive bids for the following work. Contract will be made for same within the next four weeks. Cash as work progresses. Construction of tunnel 12,000 ft. long, 6 × 10, through mountain, every indication solid granite; 275,000 cu. yds. ditch construction, 75% same solid rock; 125,000 cu. yds. dirt embankment for reservoir dam; location, 60 miles west of Fort Collins, in Larimer County. Specifications furnished on application.

DENVER, COLO.—The Yellow Jacket Reservoir & Canal system, on Sept. 27, filed amended maps in the office of the State Engineer for the construction of a system of reservoirs to irrigate 120,000 acres of land in Routt, Rio Blanco and Garfield Counties. Trappers Lake and Marvine Lake are to be enlarged by the erection of dams and the surplus water will be used in the project. A ditch system 100 miles in length will connect the three reservoirs and conduct the water over the land. The principal source of water supply for the project is the White River, across which a dam will be erected to back the water into Trappers Lake. The flood and spring waters will be accumulated behind the dam and conducted by a canal to Milk Creek reservoir, which will be behind a dam 110 ft. high. Marvine Lake will be enlarged in a similar manner and the surplus will be conducted also by a ditch into Milk Creek reservoir. The combined capacity of the three reservoirs will be 2,061,801,357 cu. ft. and it is proposed to fill each of them twice a year. Estimated cost, $3,000,000. Alexander Walker is Engr-in-Charge.

FORT STEVENS, ORE.—Bids are asked until 2 p. m., Oct. 27, by the Constructing Q. M., U. S. A., for the supply and installation of an additional pump in pumping plant here.

WOODBURN, ORE.—The city proposes to construct a municipal water-works system to include sinking well, installing pumping plant, with standpipe distributing system, etc. W. T. Knox is City Engr.

*PORTLAND, ORE.—We are officially advised that bids were received by the Water Board on Oct. 4 as follows for furnishing materials and labor for the construction of two reservoirs, Nos. 5 and 6, at Mt. Tabor, of approximately 125,000,000 gallons total capacity: ROBERT WAKEFIELD & CO., Portland, $444,760, (awarded contract); Northwest Bridge Works, Portland, $468,967; Pearson Construction Co., Portland, $588,211; Grant Smith & Co., Spokane, Wash., $605,705; Celilo Construction Co., Portland, $613,235; United Engineering & Construction Co., Portland, $659,790. Frank T. Dodge is Supt.

COLUSA, CAL.—Bids will be received by the Board of Trustees until 8 p. m., Oct. 25, for furnishing the material and construction and completion of a water-works and water system. A. B. Jackson is Clk.

PHOENIX, ARIZ.—The CHARLES F. ELMES CO., Chicago, Ill., has been awarded contract by the Reclamation Service for furnishing three 58-in. balanced valves for use in connection with the discharge pipes in Roosevelt dam, Salt River project, Ariz., at $13,890. The valves are to be shipped in 55, 60 and 70 days.

Contract has been awarded to the COFFIN VALVE CO., Boston, Mass., for furnishing two 5-ft. and one 6-ft. gate valves for the power plant under the Salt River irrigation project at $21,000.

MONTREAL, QUE.—The city has received permission from the Provincial Parliament to borrow $24,100,000 for a high-pressure water system, underground conduits, elevating the Grand Trunk Ry. tracks and for the purchase of the Montreal Water & Power Co.

NIAGARA FALLS, ONT.—The Ontario Power Co. will spend $1,000,000 this winter in laying an additional pipe line from the gate house to the power-house.

SEWERAGE.

BOSTON, MASS.—Contracts for sewer work, bids opened on Sept. 20, have been awarded by the city as follows: Standish and Harvard St. sewers, to D. J. O'CONNELL, at $9,171; North Market St. sewer, to COUGHLAN & SHEILS, 104 Hanover St., at $13,762, and Talbot St. sewer, to McCARTHY & WALSH, at $12,711.

PROVIDENCE, R. I.—Contract was awarded on Sept. 30 by the Board of Contract and Supply to CHARLES CRANKSHAW for the construction of sewers in Somerset, Gay and Darling Sts., at $4,469.

SYRACUSE, N. Y.—Bids will be received until Oct. 14 by the Syracuse Intercepting Sewer Board, Harry J. Hamlin, Secy., for contract No. 6, being the West St. intercepting sewer, requiring 1,680 ft. of 12-in. and 720 ft. of 8-in. vitrified pipe.

BROOKLYN, N. Y.—Bids are asked by Bird S. Coler, Boro. Pres., until 11 a. m., Oct. 27, for furnishing all the labor and material required for constructing temporary sewer for the new Coney Island Hospital, on Ocean Parkway, near Ave. Z.

BROOKLYN, N. Y.—Bids were received as follows on Oct. 6 by Bird S. Coler, Boro. Pres., for furnishing all the labor and materials for the erection and completion of a 2-story brick building for the Bureau of Sewers, Boro. Brooklyn, on the property of the City of New York, known as the corporation yard, situated on the north side of 38th St., 200 ft. west of Fifth Ave., Boro. Brooklyn: Rodman N. Price, 150 Chestnut St., Brooklyn, $12,310; James F. Kerr, 205 W. 30th St., New York, $14,635; N. B. Smythe, 1123 Broadway, New York, $15,493; William D. Moore, $15,588; D. J. Ryan, $12,763; Swift Bldg. Co., Inc., $12,980; William J. Moran, Inc., 562 Burnside Ave., New York, $13,050; P. S. O'Brien, $14,323; Donegon Redmond Co., $14,900; Geo. J. and William J. Martin, $16,477; Geo. E. Kelley, $16,690; Cornelius J. Horgan, $15,767; J. & L. Moreland, $15,975; W. L. & J. H. O'Shea, $12,580; George F. Driscoll, $12,700; United Plumbing & Contracting Co., $15,784; Londin & Zacharius, $17,811; George Hildebrand, 38 Park Row, New York, $14,461; D. Bonnacci, $17,965; Garfield Construction Co., $17,987; Kelly & Kelley, 45 E. 42d St., New York, $15,389; M. A. Ryan, Inc., 1123 Broadway, New York, $14,000.

NEW YORK, N. Y.—Bids are asked by John F. Ahearn, until 2 p. m., Oct. 19, for the construction of sewers in various streets.

CAMDEN, N. Y.—Bids are asked by Edward Francis, Chn. Com. on Streets and Highways, until 8 p. m., Oct. 20, for the construction of sewers in various streets.

BLOOMFIELD, N. J.—Contract for the construction of a sewer here was awarded by the Council on Sept. 30 to DONATO FUSCO, of Montclair, N. J., at $6,550.

*BORDENTOWN, N. J.—We are officially advised that bids were received as follows on Sept. 23 by the Board of Sewers Commissioners for the construction of a sewer system and disposal works. Sec. I: JOSEPH VALENTE & CO., Orange, N. J., $72,668 (awarded contract); Gibbs & Morgan, Trenton, N. J., $77,032; B. F. Sweeten & Son, Camden, N. J., $81,573; David Peoples, Betz Bldg., Philadelphia, Pa., $90,661. Sec. II.: Pitt Construction Co., Fulton Bldg., Pittsburg, Pa., $58,307; Thomas & Watkins, Woodbury, N. J., $58,313; Joseph Valente & Sons, $60,135; Stobaugh Contracting Co., New York, $65,465; B. F. Sweeten & Son, $65,774; Bunting Bull Co., 1 Madison Ave., New York, $66,301; David Peoples, $72,194. W. W. Young is Consulting Engr., 220 Broadway, New York.

BALTIMORE, MD.—The Sewerage Commission, 904 American Bldg., will ask for an appropriation of $1,190,000 out of sewerage loan for 1910 to include new construction, $1,065,000, and storm water drains, $125,000. B. T. Fendall is City Engr.

BECKLEY, W. VA.—The city has awarded contract to WINGATE & McGHEE, of Roanoke, Va., for sewer construction and street paving here. Estimated cost, $80,000.

HUNTINGTON, W. VA.—Bids will be received by the City Commissioners until 2 p. m., Nov. 1, for furnishing all the material and labor for the construction of a 12-in. tile sewer in the alley between Washington and Adams Aves., from Johnson's Lane to West Fourth St., according to plans and specifications on file in the office of the City Engineer. John Coon is Comr. Sts. and Sewers.

JEFFERSON, GA.—See item under Light and Power Plants.

MADISON, FLA.—The Florida Normal Institute has had surveys made for the construction of a sewer system. Estimated cost, $25,000.

ANNISTON, ALA.—Bids will be received until Oct. 14 by the city for the construction of a sanitary sewer system. H. C. Allen, of Anniston, is Engr.

FORT ST. PHILIP, LA.—See item under Water Supply—Irrigation.

*CHATTANOOGA, TENN.—Bids are asked by the Board of Public Works until 2.30 p. m., Nov. 2, for the construction of the Chattanooga Creek system of intercepting sewers, consisting of approximately 1,800 lin. ft. of 20-in., 1,865 lin. ft. 24-in. and 4,680 lin. ft. 36-in. sewers, including three sewer bridges over creek and seven manholes. Maximum depth of cutting 32 ft. Solid rock excavation, 200 cu. yds. H. F. Van Dusen is Chn.

DAYTON, OHIO.—Contract has been awarded by the Board of Public Service to R. E. VANDERHARK, of Zanesville, Ohio, for the construction of storm sewers in Costello, Hartford and adjacent streets, at $3,256. Thomas M. Pexton is Pres. Bd.

CLEVELAND HEIGHTS (Cleveland postoffice), OHIO.—Bids are asked by William G. Phare, Village Clerk, until noon, Nov. 2, for the improvement of Warrensville Center Road, from the southerly line of Mayfield Road to a point 770 ft. southerly therefrom, by constructing sanitary sewers therein eight feet from the westerly line thereof.

MOLINE, ILL.—Contract for laying sewers and water mains has been awarded to F. E. KAMINSKI, of Watertown, Wis., at $5,536.

SAINT CHARLES, ILL.—We are officially advised that the city is contemplating the construction of sanitary sewers covering the entire town. G. N. Lamb is City Engr. Carl C. Wettstein is City Clk.

PORTAGE, WIS.—The city has voted to issue bonds for $30,000 for the construction of additional sewerage work.

LAKE CITY, IOWA.—Bids will be received by the City Clerk until Oct. 18 for the construction of sewers, to include 3,325 ft. of 10 to 18-in. sewer, one flush tank and a sewage tank.

SHAKONEE, MINN.—Bids are asked until 8 p. m., Oct. 23, by the Common Council, Alexander Schaefer, City Recorder, for furnishing all materials and labor for the construction of a general and division sewer as authorized in Ordinance No. 84. The work includes about 6,000 lin. ft. of 8, 10 and 15-in. sewer from 6 to 12 ft. deep. A. P. Wolff, St. Paul, Minn., is Consulting Engr.

NEWTON, KAN.—The City Council on Sept. 30 opened bids for the construction of approximately 13 miles of sanitary sewer and a septic tank. Contract has been awarded to HAMILTON BROS., of Chicago, Ill., at about $34,974.

SALINA, KAN.—Bids will be received by A. W. Godfrey, City Clk., until 8 p. m., for the construction of sewers in the city.

GALENA, MO.—The City Council has authorized the issue of $5,000 of bonds for sewer construction.

HOUSTON, TEX.—F. L. Dormant, Engr., of Houston, has completed plans for sanitary sewers for the Fifth Ward. Estimated cost, $85,000.

BEAUMONT, TEX.—The city has voted $50,000 of bonds for the extension and improvement of the sewer system. C. L. Scherer is City Engr.

HUGO, OKLA.—The city has voted $75,000 of bonds for sewer construction.

CHICKASHA, OKLA.—See item under Water Supply—Irrigation.

TAHLEQUAH, OKLA.—We are officially advised that the J. S. WORLEY CO., Engrs., Kansas City, Mo., has received contract for a system of sewers and sewage purification plant here. Estimated cost, $50,000.

KINGFISHER, OKLA.—Bids are asked until Oct. 18 by the city for the construction of sanitary sewers. Burns & McDonnell, Scarritt Bldg., Kansas City, Mo., are Engrs.

TONKAWA, OKLA.—Bids are asked until Oct. 21 by the city for the construction of sanitary sewers. Burns & McDonnell are Consulting Engrs.

DENVER, COLO.—The Board of Public Works, W. B. Lowry, Pres., has adopted plans for the construction of sewers in the Arlington Park storm sewer district. Estimated cost, $24,982. J. B. Hunter is City Engr.

An ordinance has been passed, creating and establishing the west and south side sanitary sewer district, and its several subdistricts, Nos. 1, 3, 5 and 9 to 20. Estimated cost, $768,192. J. B. Hunter is City Engr.

FORT WORDEN (Port Townsend post-office), WASH.—Bids are asked until 11 a. m., Oct. 22, by Capt. E. O. Long, Constructing Q. M., U. S. A., Seattle, for construction of additions to sewer system.

PORTERVILLE, CAL.—Bids were opened by City Council on Sept. 20 for sewer work. Contracts have been awarded as follows: To PETERSON & SEILER, of Fresno, for all work at sewer farm and all piping outside of city, at $7,000; to W. H. P. STEITZ & CO., of Fresno, all sewer work within city limits, at $7,323, and to the JOHNSON-SHEA CO., Riverside, for furnishing pipe, at $4,524.

PROVO, UTAH.—The City Council will soon let contract for the construction of about 61,548 lin. ft. of sewers in the eastern part of city.

*TORONTO, ONT.—Bids are asked by Jos. Oliver, Mayor and Chn. Bd. of Control, until noon, Nov. 16, for the supply of 3,000 ft. of riveted steel pipe 60 ins. in diameter, and 500 ft. of riveted tapered steel pipe; also 1,782 lin. ft. of 60-in. reinforced-concrete pipe for the outfall sewer.

MAPLE CREEK, SASK.—Bids are asked until Oct. 15 by H. A. Greeley, Secy.-Treas., for the erection of a sewage pumping plant with an approximate capacity of 350 gallons per min.

STREETS AND ROADS.

(* *denotes that this work is advertised in Engineering News.*)

CONCORD, N. H.—We are officially advised that bids were received by A. W. Dean, State Engr., Concord on Oct. 5, for constructing trap rock roads in (a) Wilton, (b) Merrimack and (c) Milton, N. H., at a total cost of $11,100. The following contracts have been let as follows: (a) D. F. PERRY, Brattleboro, Vt., $1,800; (b) and (c) F. E. ELLIS, Melrose, Mass., at $4,500 and $4,400, respectively.

HARTFORD, CONN.—Bids will be received at the office of the State Highway Commissioner, Capitol, until 2 p. m., Oct. 15, for state road work as follows: Town of Franklin, 8,880 lin. ft. gravel-telford road, 14 ft. wide, including seven 18-in., one 24-in., four 12-in., one 20-in. tile pipe culverts, one 12-in. c.-i. culverts and a reinforced-concrete arch bridge. Town of Pomfret, 4,400 lin. ft. macadam road, 16 ft. wide, including three 24-in. tile culverts; also 9,200 lin. ft. graded road on the Hartford and Providence Turnpike, including three 24-in. and one 12-in. tile pipe culverts. Town of Bolton, 4,020 lin. ft. of gravel road, 14 ft. wide, including two 18-in. and one 12-in. tile culverts. Town of Portland, 2,250 lin. ft. graded road on the Portland and East Hampton Turnpike, 14 ft. wide, including two 18-in. tile culverts; also 1,210 lin. ft. graded road on same highway, including one 20-in. and one 18-in. tile culverts; also 2,650 lin. ft. macadam road on the Portland and Hartford Turnpike, including two 15-in. and one 24-in. tile culverts. Town of Avon, 2,850 lin. ft. macadam road 14 ft. wide, including one 15-in. and three 18-in. tile culverts.

Bids for the construction of state road work were received at the office of the State Highway Commissioner, Capitol, Oct. 6, as follows: Town of Orange, 5,425 lin. ft. of macadam road, including one 12-in., one 15-in., one 24-in., and one 18-in. tile culverts, C. W. Blakeslee & Sons, New Haven, Conn., $4.03 per lin ft. for macadam, $4.55 for telford, $1.75 per lin. ft. for rubble drain, 40 cts. per lin. ft. for railing and 50 cts. per sq. yd. for cobble gutters; B. D. Pierce, Jr., Co., Bridgeport, Conn., $4.50, $5.30, 75 cts., 75 cts. and 65 cts.; Edward Tracy, Derby, Conn., $4.25, $4.51, 79 cts., 47 cts. and 45 cts.; F. Arrigoni & Bro., Durham, Conn., $2.98, $3.90, 75 cts., 52 cts. Town of Norwalk, 4,615 lin. ft. macadam, B. D. Pierce, Jr., Co., Bridgeport, Conn., 1.14 per lin. ft. Town of Westbrook, 5,045 lin. ft. macadam road, B. D. Pierce, Jr., Co., Bridgeport, Conn., $1.55 for macadam and $2.25 for telford; Lane Construction Corp., Meriden, Conn., $1.07 and $1.77; Donahue Bros., Middletown, Conn., $1.34 and $2.04; A. Brazos & Sons, Middletown, Conn., $1.63 for macadam.

Plans for state road work have been received at the office of the State Highway Commissioner, Capitol, as follows: 5,530 lin. ft. on the Norfolk Road in the town of Colebrook from R. S. Hulbert, Engr.; 6,300 lin. ft. in the town of Stratford, from A. B. Hill, Engr.

NEW YORK, N. Y.—The following bids were received on Oct. 8 by Bird S. Coler, Pres. Boro. of Brooklyn, for regulating and repaving with asphalt pavement on a concrete foundation the roadway of Henry St., from Montague St. to Atlantic Ave.: Cranford Co., 52 Ninth St., Brooklyn, $11,646; Barber Asphalt Paving Co., 30 Church St., New York, $11,141; Uvalde Asphalt Paving Co., 1 Broadway, New York, $12,075. Also for regulating and repaving with granite pavement on a concrete foundation the roadway of Pacific St., from Fifth to Carlton Aves.: James Quinn Contracting Co., 36 Kenmore Pl., Brooklyn, $17,880; M. F. Hickey, $19,165; Norton & Gorman, $18,292; Atlantic Contracting Co., 230 East 42d St., New York City, $20,471.

NEW YORK, N. Y.—Bids are asked by Bird S. Coler, Pres. Boro. of Brooklyn, until 11 a. m., Oct. 27, for regulating, grading and paving the roadway of various streets in Brooklyn.

Bids are asked by the Park Board until 3 p. m., Oct. 28, for regulating, grading and paving or repaving with asphalt pavement on a concrete foundation the roadway of Parkside Ave., between Flatbush Ave. and Park Circle, Boro. of Brooklyn, together with all the work incidental thereto. Henry Smith is Pres.

*ROCHESTER, N. Y.—The Board of Contract and Supply has awarded the contract for paving with asphalt Winton Road to WHITMORE, RAUBER & VICINUS, 279 South Ave., at $5,946.

NEW ROCHELLE, N. Y.—The following contracts have been awarded by the Board of Public Works: Fifth Ave., paving with asphalt block, from North Ave. to Halcyon Road, to HASTINGS PAVEMENT CO., Railroad Ave., New Rochelle, for $21,401; Hassam pavement from Halcyon Road to Hunter Ave., to HASSAM PAVING CO., 90 West St., New York, $8,980; curbing from North Ave. to Hunter Ave., to C. S. Haskell, $3,679; grading Weyman Ave. to VITO ROMANIELLI, at $2,017.

HOBOKEN, N. J.—Bids will be received Oct. 27 by James H. Londrigan, City Clk., for asphalt pavement on portions of Fifth, Seventh and Third Sts.

ORANGE, N. J.—Bids are asked by Joseph A. Birkholz, Chn. Com. on Streets, until 8 p. m., Oct. 18, for macadamizing and paving, curbing and flagging of Chestnut St., from Scotland St. to the West Orange line; macadamizing and paving, curbing and flagging of Gray St., from Essex to Lincoln Aves.; macadamizing and paving, curbing and flagging of Cary St., from Scotland St. to the West Orange line.

PITCAIRN, PA.—We are officially advised that bids were received by the Borough Council on Sept. 24 for grading and paving Fifth St. Harrop, Hopkins & Taylor are Boro. Engrs., 900 Lewis Block, Pittsburg. The contract has been let to the DUSTIN CONTRACTING CO., Fourth Ave., Tarentum, Pa., at $5,888.

AVALON, PA.—Bids are asked by the McBride Surveying & Engineering Co., Boro. Engrs., 331 Fourth Ave., Pittsburg, until 4 p. m., Oct. 21, for grading, paving and curbing Ohio St., from Forest to Orchard Aves.

PITTSBURG, PA.—Bids will be received by the Board of County Commissioners until Oct. 26 for constructing the following roads: Noblestown Extension No. 2, R. L. No. 2 roads, Collier Township; Braddock and Greensburg Pike connecting No. 1 road, Braddock Township; Dravosburg Extension road, Jefferson Township; Greensburg Pike No. 2 road, north Versailles Township; Lock 3 and Elkhorn road, Forward Township, being in all about 11¼ miles. George T. Barnsley is Ch. Road Engr., Court House; R. J. Cunningham, County Controller.

BELLEVUE, PA.—Bids are asked by James M. Simeral, Clerk of Council, 26 Harrison Ave., Bellevue, until 7 p. m., Oct. 18, for grading, paving and curbing Bayne Ave., from Thomas Ave. to Textor Ave. Approximate quantities, 7,250 cu. yds. excavation, 2,400 ft. dressed curb, 65 ft. rough curb, 4,550 sq. yds. paving. John McBride is Boro. Engr.

WASHINGTON, D. C.—Bids will be received until Oct. 15 by the District Commissioners for laying gutters and bituminous macadam pavement and setting curb on 13th St., N. W., between Euclid St. and Park Road, District of Columbia.

*ENSLEY, ALA.—Bids were received Sept. 30 by the Street Committee for about five miles of paving, and the bid of Mullarkey Construction Co., of Birmingham, has been recommended for acceptance, at $49,230. Totals of other bids: E. W. Jordan Contracting Co., West End, $55,285; C. M. Burkhalter, Birmingham, $53,090; A. L. Brooks, Ensley, $53,770; Birmingham Paving Co., Birmingham, $59,785, and P. W. Turner, Birmingham, $53,945. V. E. Ohl is City Engr.

MOBILE, ALA.—Bids for the wood block paving for the Seventh Paving Venture, including Michigan, Georgia, Montauk Aves. and Hallett St., former ones of which were thrown out some weeks ago, have been opened by the Board of Public Works. There were seven bids and McPORLAND & O'GARA, of Bessemer, Ala., were awarded the contract. McPorland & O'Gara's bid was $1.82 3/10 per cu. yd., including the paving and concrete. The highest bid offered was that of Coffyn & Carter, 2.17½. The accented bid is 4 7/10 cts. lower than ever before, and according to President Schley, this will be the cheapest paving had in the county. The bids are as follows (a) concrete, (b) paving, (c) total: Coffyn & Carter, (a) 75 cts., (b) $1.42½, (c) $2.17½; R. B. Birdsall, (a) 65 cts., (b) $1.31, (c) $1.96; Milner Sons & Co., (a) 64 cts., (b) 1.27, (c) $1.91; Bigler Bros., (a) 67 9/10 cts., (b) $1.20, (c) $1.87 9/10; J. W. Gurley & Co., (a) 87¼ cts., (b) $1.00, (c) $1.87¼; Jett Bros., (a) 55 cts., (b) $1.30, (c) $1.85; McPorland & O'Gara, (a) 60 cts., (b) $1.22 3/10, (c) $1.82 3/10. The contract amounts to nearly $70,000.

SHREVEPORT, LA.—The contract for paving Reynolds St. has been awarded to the SOUTHERN BITULITHIC CO. of Nashville, Tenn., at $2.55 per sq. yd., with a 5-year guarantee. C. G. Rives is Controller.

BATON ROUGE, LA.—Bids will be received by the City Clerk until Oct. 21 for resurfacing with bitulithic asphalt or creosoted wood block 20,000 sq. yds. pavement. R. Swart is City Engr.

*ASHLAND, KY.—We are officially advised that bids were received by E. A. Shepard, City Clk., at 7 p. m., Sept. 28, for furnishing all materials for the construction of vitrified brick pavement with concrete curb and gutter and header for same. The approximate quantities are: 44,860 sq. yds. paving, 24,490 lin. ft. combined curb and gutter, and necessary catch basins for same, 4,000 lin. ft. for concrete header. The contract has been awarded to JOHN BRADLEY, of Atlanta, Ga. J. W. Bosley is City Engr.

CORLETT (Cleveland post-office), OHIO.—We are officially advised that bids were received on Oct. 6 by W. H. Jantzer, Village Clk., for grading, curbing and paving Ransom Ave., Yale and Sunset Sts. The Courtney Engineering Co., 407 American Trust Bldg., Cleveland, are Engrs. Sunset St., 13,800 sq. ft., Enterprise Paving & Construction Co., $3,135; Gould & Maybach, $3,184; W. J. Townsend Co., $3,062. Yale St., 12,540 sq. ft., Enterprise Paving & Construction Co., $2,945; Gould & Maybach, $2,954; W. J. Townsend Co., $2,873. Ransom St., 11,800 sq. ft., Enterprise Paving & Construction Co., $2,508; Gould & Maybach, $2,499; W. J. Townsend Co., $2,422. Four-inch block on six inches of concrete used.

CINCINNATI, OHIO.—Bids are asked by the Board of Public Service until noon, Oct. 19, for furnishing the necessary labor and materials for the improvement of Cross Lane, from Kemper Lane to Park Avenue, by grading, paving the roadway with wood blocks, setting granite curbs and constructing the necessary drains and inlets.

Bids are asked until noon, Oct. 20, by the Board of Public Service for improving Wilder Ave., from State to Glenway Aves.; Woodward St., from Main to Sycamore Sts.; Glenway Ave., from Eighth St. to Wilder Ave.; Wilder Ave., from Glenway to Warsaw Aves. John C. Wenner is Clerk.

MAUMEE, OHIO.—Bids will be received until noon, Oct. 18, by George V. Raab, Village Clerk, for furnishing material and paving with vitrified brick block on a concrete foundation a portion of Conant St.

SANDUSKY, OHIO.—Plans are being prepared for road work in Erie County, to cost about $32,000. A considerable portion will be of Tarvia pavement. A. C. Schultz is County Surv.

TOLEDO, OHIO.—The contract for repairing a portion of Broadway with asphalt block has been awarded to ASPHALT BLOCK PAVING CO., 20 Jessie St., at about $60,000.

Bids will be received until Oct. 18 by the Board Public Service for furnishing material and improving Bassett St., by macadamizing, etc., and improving Foraker Ave. by paving with either vitrified block, sheet asphalt, asphalt blocks or creosoted wood blocks. Reynold Voit is Secy.

CAMBRIDGE, OHIO.—We are officially advised that bids were received on Oct. 5 by Commissioners of Guernsey County for constructing State Highway C, Cambridge and Byesville Road. The contract has been let to D. S. BURT, of Byesville, Ohio, at $5,000.

The contract for constructing State Highway B, Quaker City and Salesville Road, let at the same time, has been awarded to FOWLER & WARRICK, of Barnesville, Ohio, at $7,990. James C. Wonders is State Highway Comr., Columbus, Ohio.

CARROLLTON, OHIO.—We are officially advised that the contract for constructing State Highway A, Infirmary Road, bids received Oct. 7, has been let to SPRINGER & RUFENACHT, of New Philadelphia, Ohio, at $11,311. James C. Wonders is State Highway Comr., Columbus, Ohio.

COLUMBUS, OHIO.—Bids will be received by the Board Public Service until Oct. 20 for grading and paving with hard-burned brick or block or other substantial material Capital and Stimmel Sts. E. W. Hirsch is Secy.

DAYTON, OHIO.—Bids will be received until Oct. 18 by the Board Public Service for paving with either plain macadam, brick, sheet asphalt, bituminous macadam or creosoted wood block, and setting either stone or straight cement or combined curb and gutter of cement, etc., under Improvement Resolution No. 572, Wayne Ave., requiring about 12,200 sq. yds. pavement, with straight curb; 11,500 sq. yds. pavement, with combined curb and gutter, and 25,000 sq. ft. cement sidewalks, etc. William A. Burdroe is Clerk.

ASHLAND, OHIO.—Bids are asked by the Trustees of Mohican Township until 1 p. m., Oct. 23, for grading and graveling a part of the Jeromeville and Hayesville Road. David Fickes is Clerk.

WAUSEON, OHIO.—Bids are asked by the Trustees of Clinton Township, Fulton County, until noon, Oct. 16, for road improvement, commencing at the corporation line on Main St., Wauseon, thence south about one-half mile. George E. Gorsuch is Clerk.

LORAIN, OHIO.—Bids are asked by the Board of Public Service until noon, Oct. 20, for construction of a slag roadway 20 ft. wide in Fulton Road, from East 28th St. to East 29th St.

IRONTON, OHIO.—Bids are asked by the Board of Public Service until noon, Oct. 20, for constructing concrete and brick sidewalks. J. R. C. Brown is Engr.; George H. Davies.

ASHTABULA, OHIO.—Bids are asked by the Board of Public Service of the City of Ashtabula, until noon, Oct. 21, for furnishing the necessary labor and materials for the improvement of the Lake Street Subway, by grading, draining, curbing, constructing foundations and paving with dressed Medina block according to the plans and specifications on file in said office. The work includes approximately: 4,792 sq. yds. of dressed Medina block, 2,024 sq. yds. of concrete foundation, 1,860 lin. ft. of 6-in. × 20-in. cement curb, 142 lin. ft. of 6-in. × 26-in. cement curb, 136 lin. ft. of 6-in. × 20-in. circular curb, 2,000 lin. ft. of 4-in. underdrain, 162 lin. ft. of 12-in. storm sewer, 8 catch basins, 4 track inlets, 2 manholes, 16,862 sq. ft. of 4-in. cement sidewalk, and all other labor, material and appurtenances. Also for the improvement of Ontario St., from Ohio Ave. to Lake St., by grading and improving said street, according to the plans and specifications on file in said office. The work includes approximately: 1,205 cu. yds. of excavation, 0.83 of an acre of clearing and grubbing, and all other labor, material and appurtenances. A. J. Richardson is Clerk.

FOWLER, IND.—Bids are asked by Commissioners of Benton County until 1 p. m., Nov. 14, for the construction of a stone road 9 ft. wide, 19,480 ft. in length. Estimated cost, $12,590. Lemuel Shipman is County Audr.

BRAZIL, IND.—Bids are asked by the Board of Commissioners of Clay County until 11.30 p. m., Nov. 2, for the construction of 7,901 ft. of gravel road in Dick Johnson Township. James L. Burns is County Audr.

NEWPORT, IND.—We are officially advised that bids were received for constructing the gravel roads in Vermillion County on Oct. 4, and contracts have been let as follows: Switzer Road, 2¼ miles, Highland Township, to THOMAS GLYNN CONSTRUCTION CO., at $7,100; Dickenson Road, 2¼ miles, Eugene Township, G. W. SYKES, $7,000; Thomas Road, 2¼ miles, Eugene Township, CHARLES SYKES, $6,700. Fred. Rush is County Audr.

CRAWFORDSVILLE, IND.—We are officially advised that bids were received by B. B. Engle, Audr., Montgomery County, on Oct. 5, for the construction of a gravel road in Wayne Township, known as the Huckery Road. The contract has been let to ENOS O'CONNER & SON, of Crawfordsville, at $9,990. Milton Nees is County Surv.

GREENCASTLE, IND.—We are officially advised that bids were received by the Commissioners of Putnam County on Oct. 4, for (a) the construction of a macadamized road, 3,610 ft. in length, in Greencastle Township and for (b) the construction of a macadamized road, 5,020.8 ft. long, in Mill Creek Township. D. V. Moffit is County Audr. The contracts have been awarded as follows: (a) B. F. VAUGHN, Cloverdale, Ind., $1,987; (b) MAHONEY & COX, Limedale, Ind., $3,394. A. A. Love is County Engr.

FOWLER, IND.—We are officially advised that bids were received and contracts let by the Commissioners of Benton County on Oct. 5, for the construction of rock roads, as follows: GEORGE MATTHEWS, of Fowler, Ind., Stanley Road, three miles, $7,335; Perigo Road, six miles, $13,480; Roberts Road, three miles, $6,770. J. B. JEAN, Delphi, Ind., Fry Road, three miles, $9,978. T. A. COOK, of Oxford, Ind., Gutbridge Road, three miles, $6,760. Samuel Shipman is County Audr.

WILLIAMSPORT, IND.—Bids are asked by the Warren County Commissioners until 1 p. m., Nov. 1, for constructing a gravel road in Mound Township. Robert L. Winks is County Audr.

LOGANSPORT, IND.—Bids are asked by the Board of Public Works until 10 a. m., Oct. 19, for improving Grove, West Main, East Main and Tanguy Sts.

CICERO, ILL.—Bids will be received Oct. 18 by the Board Local Improvements for cement sidewalks on 22d, 32d and 29th Sts., Booge and Weare Aves. L. O. Fitzpatrick is Secy.

MARSHALL, ILL.—Bids were received on Sept. 28 by the Board of Local Improvement for vitrified brick paving, and the contract has been awarded to GEORGE T. MILLER, of Lebanon, Ind., at a total of $28,601 on Brazil block. W. R. Paige, 109 Arcade Bldg., Terra Haute, Ind., is Consult. Engr.

APPLETON, WIS.—We are officially advised that bids were received by the Board of Public Works on Oct. 4 for the following proposed street improvements and paving with concrete pavement: Market St., in the Second Ward of the city of Appleton, Wis., from the east line of Oneida St. to the west line of Morrison St. E. L. Williams is City Clerk. The bids have been rejected and the city will do the work.

MILWAUKEE, WIS.—The Milwaukee Board of Public Works, C. J. Poetsch, City Engr., has awarded paving contracts as follows: Asphalt paving on Park Pl., from Maryland Ave. to Lake Drive, WHITE CONSTRUCTION CO., Railway Exchange Bldg., Milwaukee, at $2.24; brick paving on Sycamore St., from Fourth to Fifth Sts., BADGER CONSTRUCTION CO., Railway Exchange Bldg., Milwaukee, at $1.94; brick paving on Fifth St., from State to Vliet Sts., HASE & WEIHER, Milwaukee, at $1.86; brick paving in five alleys in Fourth Ward, D. M. SNEDDON CO., Kinnickinnic Bldg., at $2.26 to $2.52; one alley in Fourth Ward, BADGER CONSTRUCTION CO., $2.19; asphalt paving on Maryland Ave., from Linwood to Kenwood Boulevards, WHITE CONSTRUCTION CO., $2.24; Kettle River sandstone paving on Cedar St., between Fifth and Sixth Sts., J. B. ROBBINS, Milwaukee, at $2,612.

JEFFERSON, IOWA.—Bids are asked until 8 p. m., Nov. 9, by the City Council, for graveling on that portion of Adams St., lying between the center of its intersection with Elm St. and its intersection with the east line of Pine St., in the City of Jefferson, Iowa, gravel to be placed thereon, upon a surface 8 ft. in width, along the center of that portion of said street above described to a depth of not less than 8 ins., the gravel used thereon to be of good quality of coarse gravel, suitable for the purpose for which it is used, uniformly spread over the surface of said street to the depth and width above stated. B. S. McCully is City Clerk.

CRESTON, IOWA.—We are officially advised that bids were received by the City Council on Sept. 20 for paving, curbing and otherwise improving two streets. J. F. Golden is City Clk. All bids for paving were rejected at meeting on Oct. 4. New advertisement for bids has been ordered. Thos S. Delay is City Engr.

SIOUX CITY, IOWA.—The contract for paving Clark St., from Fourth to Eighth Sts., with brick block on 4-in. Portland concrete base has been awarded to M. L. FLINN at $2.14 per sq. yd. G. Y. Skeels is City Engr.

DES MOINES, IOWA.—The City Council has awarded the contract for paving with brick about 12,700 sq. yds. on Southwest Ninth St. to J. C. LIKES, 223 Locust St., at $1.69 per sq. yd. C. P. HERRICK, of Des Moines, has secured the contract for about 2,765 sq. yds. of brick paving on West Grand Ave., at $2.09¼ per sq. yd. The BRYANT-FORD-McLAUGHLIN CO., of Waterloo, has secured contract for about 3,220 sq. yds. of asphalt paving on 39th St., at $2 per sq. yd. and for about 2,169 sq. yds. of asphalt paving on Clark St., at $2.10 per sq. yd.

DAVENPORT, IOWA.—The Board of Supervisors has awarded the contract for macadamizing about two miles of Hickory Grove Road to JOHN LITTIG CONSTRUCTION CO., at $2.05 per sq. yd.

DES MOINES, IOWA.—Bids are asked by the City Council until 10 a. m., Oct. 15, for paving with Portland cement concrete 8 ins. in thickness, West Eighth St., from the pavement now in place at Chestnut St. to the pavement now in place at Pleasant St., about 772 sq. yds. of paving, more or less. Work to begin on or before Oct. 22 and to be completed on or before Nov. 10. A. J. Mathis is Mayor; George F. Poorman is City Clerk.

ST. PAUL, MINN.—The Board of Public Works on Sept. 27 awarded the contract for curbing Minnehaha St. to the ST. PAUL CEMENT WORKS, 107 East Fourth St., at $6,750.

COFFEYVILLE, KAN. — McGUIRE & STANTON have secured the contract for paving portions of Hickman and Grant Sts. at about $12,000.

PINE BLUFF, ARK.—Bids will be received until Oct. 16 by the Board of Improvement of Paving District No. 26 for constructing 32,000 sq. yds. pavement and curbing in said district. Bids will be received for bitulithic, vitrified brick and creosoted wood blocks. E. Hale is City Engr.; A. E. Shepard is Secy.

BEAUMONT, TEX.—The citizens have voted to issue $10,000 bonds for paving. J. G. Sutton is City Secy.

McALESTER, OKLA.—The City Council has created Paving District No. 6. This lies mostly in the Second Ward, and the paving is to be of asphalt. The cost as estimated by J. Phelan, City Engr., will be $205,489.

WENATCHEE, WASH.—The City Council has decided to grade surface with crushed rock and construct cement sidewalks on both sides of Mission St. at a cost of $40,000, also regrade and construct cement walks on Poplar and Okanogan Aves., at a cost of about $40,000.

FORT WARD (Port Blakely post-office), WASH.—Bids will be received until 11 a. m., Oct. 18 by Capt. E. C. Long, Constr. Q. M., Seattle, for gravel roads, concrete sidewalks, brick gutters, catch basins and drains at Fort Ward.

TACOMA, WASH.—Bids were received on Sept. 28 by D. B. Sheller, Ch. Clerk of the office of the Commissioner of Public Works, for grading South 40th St. and North 33d and Tyler Sts. No awards were made. Wright & Sweeney were the lowest bidders on the South 40th St. work, their bid being $8,333. H. J. McGregor is Comr.

PORTLAND, ORE.—Street paving contracts amounting to more than $200,000 were recommended to be awarded on Sept. 30 when the Street Committee of the Executive Board held its regular meeting. The contracts were recommended with the conditions that contractors sign an agreement to maintain the pavements free of charge for five years and that the price charged for the surfaces in no case exceed $2. The largest single contract was that for the surfacing of Division St. from East Tenth to East 41st Sts. This is to be paved with bitulithic and the cost will be $108,952. The original bid of the Pacific Bridge Co., the lowest bidder for the work, was $2.09 a sq. yd., but C. F. Swigert agreed if given the contract to make a reduction of 9 cts. a sq. yd. and to sign the contract to maintain the street for five years. Among other bids recommended for acceptance under the new condition was that of Elwood Wiles for paving East Seventh St. from Tillamook to Fremont Sts., with asphalt. The bid was $48,289. The price per square yard for asphalt was $2. The Committee recommended that the Oregon Hassam Paving Co. be awarded the contracts for surfacing East Morrison St. with Hassam. The company bid $20,190 and the price per square yard was $1.85. This company also secured the contract for paving Broadway, from East 24th to East 27th Sts. The bid was $35,773. The price per square yard for the paving material was $1.85. No recommendations were made by the Committee on the bids for the improvement of Hawthorne Ave. and of Irving St. Both of these streets are to be paved with asphalt. Douglas W. Taylor is City Engr.

SACRAMENTO, CAL.—We are officially advised that bids were received on Sept. 13 by M. J. Desmond, City Clk., for constructing an oiled macadam pavement on G St., from Sixth to 20th Sts. The bid of JAMES TOUHEY, at approximately $12,230, was accepted.

LOS ANGELES, CAL.—The Board of Public Works on Sept. 24 awarded the contract for paving Beaudry Ave. to the BARBER ASPHALT PAVING CO., Henne Bldg., at $28,000.

FORT ROSECRANS (San Diego post-office), CAL.—Bids will be received by Lieut. C. A. Lohr, Constr. Q. M., U. S. A., San Diego, until noon, Oct. 27, for constructing approximately three miles of macadam roadway, including gutters, culverts, etc., through military and naval reservations at Fort Rosecrans.

STOCKTON, CAL.—The contract for improving the lower Sacramento Road, from Stockton to the Sacramento County boundary line, approximately 20 miles, was awarded on Oct. 5 to the CITY STREET IMPROVEMENT CO., Merchants' Exchange Bldg., San Francisco, at $164,636.

BERLIN, ONT.—Bids will be received until Oct. 28 by A. H. Millar, Town Clk., for paving King St. Bids for vitrified brick, sheet asphalt, bitulithic and asphalt block will be considered.

MANUFACTURING PLANTS.

SPRINGFIELD, MASS.—LEWIS A. MILLER, of Meriden, Conn., has secured the contract to erect the factory for the C. Elmer Pope Co. It will be a 2-story brick factory, 55 × 182 ft., with two ells, 30 × 40 ft. Samuel M. Green, Inc., of Springfield, are the Archs.

HOLYOKE, MASS.—William B. Tubby, Arch., 81 Fulton St., New York, has completed plans and is taking figures for a 3-story factory, 60 × 80 ft., for George W. Prentiss & Co., at Holyoke.

GREENDALE (Worcester post-office), MASS.—A car manufacturing plant of Osgood Bradley & Sons will be built in Greendale. Approximately 52 acres of land, situated on the Boston & Maine tracks, between Brooks and Mountain Sts., have been conveyed to John E. Bradley. On this land Mr. Bradley will build one car manufacturing plant and employ about 1,000 men. It will represent an expenditure of $500,000. In the plant the concern will not only build passenger coaches, but it will go into trolley car building on an extensive scale, and may at some time construct freight cars. Work on the plant will be begun before winter. The work of regrading the land will be undertaken within three weeks.

SOUTH BRAINTREE, MASS.—We are officially advised that Rice & Hutchins, Inc., 12 High St., Boston, Mass., will erect a fireproof shoe factory at South Braintree. The building is to be five stories high and 50 × 360 ft., with a sawtooth roof. There will be a 3-story office building 50 × 50 ft. All floors, frames, etc., will be reinforced concrete, the only brick being in the walls from the floor to the window sills. All windows will have metal sash and wired glass. A power plant of 750 HP. capacity will be installed. The Joseph C. Schaeffer & Co., 73 Tremont St., Boston, and 151 West 91st St., New York, N. Y., are Archs. and Engrs.

OLNEYVILLE (Providence post-office), R. I.—A textile mill will be built here by the United Dress Goods Co., according to the announcement of the company. The plant will be equipped with about 4 000 spindles at first and will employ about 200 operatives.

HARTFORD, CONN.—It is announced that the Pratt & Whitney Co., 1 Flower St., would increase its securities by $1,250,000. This company is controlled by the Niles-Bement-Pond Co. An issue of $2,000,000 of preferred stock will be made to replace the present issue of $1,225,000, and in addition the common stock will be increased from $1,525,000 to $2,000,000. The present issue of preferred stock, amounting to $1,-225,600, is redeemable at par Jan. 1, 1911, and will be called in accordance with its terms. A new issue of $2,000,000 of preferred stock, with 6% interest guaranteed by the Niles-Bement-Pond Co., will be made redeemable at par Jan. 1, 1921. The plan provides for the realization of additional cash for the company's treasury amounting to $1,250,000. It is announced that two contracts for additions to the company's plants will be let within 60 days.

NEW YORK, N. Y.—The following bids were received on Sept. 29 by the Dept. of Public Charities, for furnishing all the labor and materials required for the erection of an addition to the laundry at the New York City Home for the Aged and Infirm, Blackwell's Island: Albert Winternitz, 237 East 82nd St., New York, $18,800; J. & L. Moreland, $25,600; J. F. Walsh Construction Co., $22,400; N. B. Smyth, 1123 Broadway, New York, $21,572; Alamo Construction Co., $24,400; Kelly & Kelly, Inc., 45 East 42nd street, New York, $25,781; Cornelius J. Hogan, $22,600; J. M. Knopp, $21,974; D. J. Ryan, $22,900; George Hilderbrand, 38 Park Row, New York, $19,888; United Plumbing & Contracting Co., $22,186; Concourse Construction Co., Webster Ave. and East 181st St., $23,200.

GLENS FALLS, N. Y.—The American Safety Lantern Co. has broken ground for a factory. All supporting members, the roof, girders, beams, foundation wall and floor will be of reinforced concrete. The GABRIEL CONCRETE REINFORCEMENT CO., 616 Penobscot St., Detroit, Mich., is supplying the steel and furnished the plans.

BUFFALO, N. Y.—Frederick Z. Phelps, manufacturer of automobile tops, 1241 Niagara St., will build a 3-story and basement factory at 1292 Niagara St., of brick and structural iron, cost, about $15,000.

MOSIER & SUMMERS, 1266 Seneca St., have received contract for construction of 1-story and basement building, 50x200 ft., for the U. S. Rubber Reclaiming Works, Babcock St. and Erie R. R. Cost, $23,000.

OSWEGO, N. Y.—W. H. Ives, of Oswego, N. Y., will build an automobile factory on East Main St., 40x190 ft., with wing 40x93 ft. Considerable machinery equipment will be installed.

OSWEGO, N. Y.—The officers of the Diamond Match Co., 115 Broadway, New York, announce that they will build an addition to the local plant 69x125 ft., two stories high. It will be of brick, steel and concrete, as nearly fireproof as possible. Plans are in the hands of contractors, who must agree to have the building inclosed by the end of November.

NIAGARA FALLS, N. Y.—Work has started on rebuilding the plant of the Niagara Pulp Board Co. BRASS BROS., of Niagara Falls, have the contract. Including the price of some machinery which the company will have to purchase, the contract involves an expenditure of about $40,000. The plant will be in operation by Dec. 1.

HORNELL, N. Y.—The BURKE CONSTRUCTION CO., 500 Prudential Bldg., Buffalo, N. Y., has been awarded contract for erecting the 2-story factory building, 60x200 ft., in this city for the De Shaum-Hornell Motor Co. Cost, $30,000. W. S. B. Brickell, 595 Ellicott Sq. Bldg., Buffalo, is architect.

SCHENECTADY, N. Y.—SHEAR & WILSON, of Schenectady, have secured the general contract to erect the fireproof brick, steel and concrete foundry building on Albany Road, Schenectady, for the Climax Specialty Co., of Seneca Falls, N. Y., to cost about $50,000. Oren Finch, 437 State St., Schenectady, is the Arch.

JAMESTOWN, N. Y.—The American Carving Works, Jamestown, N. Y., is preparing to erect a 2-story brick factory, 32x64 ft. It will require machine equipment.

The Banner Furniture Co. will erect a 2-story factory, 45x80 ft., of concrete block construction, on Steele St. George C. Freeburg, 507 Chadekin Bldg., is Arch.

SCOTIA, N. Y.—The Mohawk Foundry Co. will build a plant of three buildings: A foundry, 40x100 ft.; core room, 21x21; a machine-shop, 30x40 ft. of brick. L. Rodman Nichols, 208 South Center St., Schenectady, N. Y., is Arch.

BRACKENBRIDGE, PA.—Announcement has been made that the West Penn Steel Co. had awarded a contract to the UNITED ENGINEERING & FOUNDRY CO., 1590 Grant St., Philadelphia, for an additional sheet mill, including, roughing and finishing stands for its new plant at Brackenridge, which will be started soon.

PHILADELPHIA, PA.—The John B. Stetson Co., is about to award a contract for the erection of a big $250,000 addition to its hat manufacturing plants, at Fifth St. and Montgomery Ave. The building, which will have frontages of 207 ft. on Montgomery Ave. and 150 ft. on Fifth St., will be an 8-story and basement structure, of reinforced concrete and brick. When completed the executive offices of the concern will occupy the entire first floor. The upper stories will be devoted to the manufacture of derby hats.

The WILLIAM STEELE & SONS CO., 1600 Arch St., has a contract to build an 8-story factory, 75x125 ft., to be built at the southeast corner of Twelfth and Wood Sts., for the Smaltz-Goodwin Co., Eleventh and Race Sts., manufacturers of shoes. The contract price is $150,000.

HENRY E. BATON, 1221 Arch St., has been awarded a contract for a four-story factory, 40x90 ft., at 324-26 South Front St., for Edward G. Taulane, to cost $20,000.

THOMASVILLE, N. C.—The Jewell Cotton Mills have awarded contracts to T. C. THOMPSON & BROS., of Birmingham, Ala., for the erection of their buildings. These include the main mill, 87x380 ft., of standard construction, with concrete floor, monitor roof, etc. The contract calls for completion by Jan. 15, next. The company is capitalized at $250,000 and will operate 5,000 spindles on the production of yarns. Either a steam or an electric plant will be used for power. J. L. Armfield is Pres.

ROCKINGHAM, N. C.—The Entwistle Mfg. Co., Wm. Entwistle, Pres., Rockingham, N. C., has engaged Stuart W. Cramer, of Charlotte, N. C., as Engr. and Arch.-in-Charge of planning, building and equipping the company's proposed mill. This plant will have 40,000 spindles, 1,000 looms, etc. The company is organized with a capital stock of $500,000.

VICKSBURG, MISS.—The Vicksburg Traction Co. expects to build a car house during the next year. W. B. Moorman is Gen. Mgr.

MEMPHIS, TENN.—A soap factory will be built here. It will be located in New South Memphis and will be housed in a 4-story building. It is expected work will begin on the erection of the building soon. The building will be erected on the property of William Kellar, who will have an interest in the business.

CINCINNATI, OHIO.—Samuel Hannaford & Sons, Archs., Sixth and Vine Sts., have awarded contract for the plant of Hennegan & Co., to the EID CONCRETE STEEL CO., 1206 West Liberty St. Cost, $20,000.

YOUNGSTOWN, OHIO.—The Republic Iron & Steel Co., Frick Annex, Pittsburg, has prepared plans for a plant in Youngstown, to be erected at a cost of $2,000,000. The company made a proposition to the Youngstown councils to build an overhead bridge costing $175,000 in exchange for the vacating of 200 ft. of streets adjoining its works, to be used as a site for new tube and finishing mills. The city has accepted the offer and work will be started immediately. The foundation has been completed for the new 10-in. mill at the Brown-Bonnell plant in Youngstown. The product of this department will be made into tubing at the Lansingville works. It is reported also that the Republic company will let a contract soon for two additional blast furnaces and six open-hearth furnaces at Haselton and Lansingville, and that six additional open-hearth furnaces will be erected after the first six are in operation.

INDIANAPOLIS, IND.—Wheeler & Schebler, manufacturers of carbureters, will begin the erection of a factory building in Barth Ave., near Sanders St., as soon as contracts can be let for the work. The building will be a two-story structure, 115x150 ft., and will cost approximately $60,-000. It will be fireproof and probably of reinforced concrete construction. Other buildings, it is stated, will be erected later.

CHICAGO, ILL.—Permits have been issued to the Chicago Railways Co. for the construction of two buildings, to cost not less than $350,000. S. N. Crowen, Arch., 106 La Salle St., has prepared plans for both. One is to occupy 500x456 ft. of ground at 233 to 259 South Kedzie Ave. It is to be a 1-story brick structure costing $200,000, and will be used for car shops. A 2-story paint and repair shop will be built at 3900 to 3930 Park Ave. to cost $150,000.

FOND DU LAC, WIS.—The Wisconsin Sugar Co. is planning to erect a beet sugar plant in this city next spring. The company proposes to plant 2,000 acres of beets.

BELOIT, WIS.—The ground plans have been laid out at the plant of the Fairbanks-Morse Mfg. Co., for a shop 1,200 ft. long and 175 ft. wide.

JANESVILLE, WIS.—The Sterling Engineering & Construction Co., Caswell Block, Milwaukee, Wis., has been awarded the general contract for erecting buildings for Lewis Knitting Co., at Janesville, according to plans by Herschberg, Williams & Washburn, Milwaukee. The main building will be 41x124 ft., four stories; two wings, 24x20 ft., and 24x50 ft., four stories, all of reinforced concrete construction, with metal sashes, etc.

SHEBOYGAN, WIS.—The Sheboygan Fruit Box Co., has plans for a 3-story frame factory, 56x100 ft., and for a 1-story brick boiler and engine house, 24x36 ft.

MILWAUKEE, WIS.—H. Messmer & Sons, Archs., Pabst Theater Bldg., have awarded mason contract on the $22,000 shop, $3,500 office building, and $2,000 boiler-house, for the Koehring Machine Co., at Thirty-first St. and Concordia Ave., to CONRAD RAULF, JR., & CO.

HENRY DANISCHEFSKY has been awarded the mason contract for the $35,-000 manufacturing building to be erected for George Seelman at Seventh and Chestnut Sts. Gustav A. Dick, is Arch.

O. C. Uehling, Arch., Wells Bldg., has awarded the mason contract for the $17,-500 shop building for Progressive Metal & Refining Co., at Barclay and Washington Sts., to CONRAD RAULF, JR., & CO.

Contracts for the erection of a $160,000 box factory and $8,000 office building for the Kieckhefer Box Co., 16th and Canal Sts., Milwaukee, have been awarded as follows by Herman J. Esser, 82 Wisconsin St., Arch.: Mason, PAUL RIESENS SONS, University Bldg.; carpenter, F. LUENZMANN CO., 1812 Prairie St., Milwaukee.

WICHITA, KAN.—The Wichita Railroad & Light Co., Wichita, Kan., expects to place the contract during the next two months for the erection of a car house. H. E. Chubbuck is Gen. Mgr., Ottawa, Ill.

HOUSTON, TEX.—A company to manufacture a nut lock, with a capital stock of $50,000, is to be located in this city. The nut lock is for railroads, bridges, steel buildings and other places where such nuts are used, and is to obviate what is known to builders as "lost motion." The incorporators are: W. R. Garner, Pres.; J. R. Cheek, Vice-Pres.; W. L. Van Liew, Sec. and Treas.; George L. Noble, Gen. Mgr.; J. H. Conlan, formerly roadmaster of the Trinity & Brazos Valley R. R. Co., Gen. Agent.

METALINE, WASH.—See item under Light and Power Plants.

TRENTON, UTAH.—Ground will soon be broken at Trenton, for a first cereal food factory for the United Development Co., with offices in the Newhouse Bldg., Salt Lake City. Plans for this great plant are now being completed by E. Maeser, Arch., of Salt Lake City. The estimated cost of the plant is $100,000.

SALT LAKE CITY, UTAH.—The plant of the Granite Lumber Co., which was destroyed by fire recently, with a total estimated loss of $100,000, is to be rebuilt.

Armour & Co., of Chicago, intend to erect a $80,000 refrigerating and cold storage plant at the corner of Fourth South and Third West Sts.

MOSCOW, IDAHO.—The Hagan & Cushing Packing Co., has completed plans for a slaughtering, packing and cold storage plant at Moscow. Capital, $50,000.

HALIFAX, N. S.—Press reports state that Harland & Wolff, of Belfast, Ireland, will establish branches in Canada with a view to building the first warships for the proposed Canadian navy. Vessels will be built not only at Halifax, N. S., but also at the new city of Prince Rupert, B. C.

MISCELLANEOUS CONTRACTS.

(denotes that this work is advertised in Engineering News.)*

U. S. RECLAMATION SERVICE.—All news relative to canal projects, etc., will be found under Water Supply—Irrigation.

DREDGING.—Chicago, Ill.—See item under Bridges.

DITCHES.—Redwood Falls, Minn.—Bids are asked until Oct. 14 by L. P. Larson, County Audr., for constructing two ditches at an estimated total cost of $15,600.

*BARGE CANAL.—Albany, N. Y.—Itemized bids received on Oct. 5 by the Superintendent of Public Works for Contracts 2-E and 43 are given under Contract Prices in this issue.

DRAINAGE.—Urbana, Ill.—Bids are asked until 9 a. m., Oct. 21, by the Commissioners of Silver Creek Drainage District, 111 West Main St., Urbana, for construction of ditches.

LEVEE.—Sacramento, Cal.—No bids were received at the office of M. J. Desmond, City Clk., on Oct. 4 for improving a portion of the Sacramento River front levee. Bids will be readvertised.

TUNNEL.—Independence, Mo.—The County Court has awarded contract to the CREBO CONSTRUCTION CO., 1107 McGee St., Kansas City, Mo., for a reinforced tunnel tower at the county farm, at $3,765.

LEVEE.—New Orleans, La.—Bids are asked until 11 a. m., Oct. 30, by Capt. H. Burgess, Corps Engrs., U. S. A., for constructing about 130,000 cu. yds. of earthwork in the Pontchartrain levee district.

LEVEE, ETC.—Willows, Cal.—Bids will be received by the Board of Trustees of Levee District No. 3 until 10 a. m., Oct. 16, for the construction of and repairs of the levee, dikes and other work in No. 3 levee district.

DITCH.—Crookston, Minn.—Bids were received by H. J. Welte, County Audr., on Oct. 2, for digging and constructing county ditch No. 81. Estimated cost, $7,043. Contract has been awarded to T. B. LANDSVERK, of McIntosh, Minn., at $6,553.

DAM, ETC.—Latchford, Ont.—Bids will be received until 5 p. m., Oct. 28, by the Department of Public Works, Ottawa, for constructing a dam and sluiceway across the Montreal River at Latchford. J. G. Sing is Dist. Engr., Confederation Life Bldg., Toronto.

PIPE.—Jersey City, N. J.—HOLMES & COGAN, 96 Garfield Ave., Jersey City, have contract for laying about one mile of 8-in. submerged c.-i. pipe from Jersey City to Ellis Island, New York Harbor, for the Bureau of Immigration. Estimated cost, $18,-000.

WHARVES, ETC.—San Francisco, Cal.—The Board of Harbor Commissioners has awarded contract for repiling and repairing wharves, piers, bulkheads and ferry slips, etc., to the HEALY-TIBBITS CONSTRUCTION CO., 268 Market St., San Francisco, at $44,853.

DRAIN.—Farmersville, Ill.—Bids will be received until Oct. 23 (extension of date from Oct. 16) by the Drainage Commissioners for furnishing, hauling and laying 17,440 ft. of 24-in. to 6-in. drain tile. Estimated cost, $6,700. J. W. Dappert is Engr., Taylorville, Ill. Noted last week.

DITCH.—Burlington, Ill.—Bids will be received until Oct. 14 by the Drainage Commissioners of Drainage District No. 1 for digging about 2½ miles of open ditch. About 50,000 cu. yds. are to be removed. S. T. Armstrong, Engr., Sycamore. John Knief, Burlington, is Clerk.

MONUMENT.—Albany, N. Y.—HERMON A. MacNEIL, Cottage Point, L. I., N. Y., has been awarded the contract for constructing the Soldiers' and Sailors' Memorial in Washington Park by the Board of Contract and Supply, at $90,000. Mr. MacNeil designed the monument.

*SEAWALL.—Fort McRee, Fla.—Bids will be received by Capt. H. B. Ferguson, U. S. Engineer Office, Montgomery, Ala., until 1 p. m., Oct. 20 (readvertisement), for construction of seawall at Fort McRee, Fla. Bids were received for this contract on Sept. 10. List of bidders was given in issue of Sept. 23.

STEEL TOWER.—Wilmington, Del.—Bids were received Sept. 27 by the Light-House Engineer, Wilmington, for erecting a steel tower at Reedy Island Range, Rear Light Station. The bid of the G. & W. Manufacturing Co., 26 Cortlandt St., New York, at $4,473, has been recommended for acceptance.

LEVEE, DITCHES.—Rushville, Ill.—Bids will be received until Oct. 19 by the Crane Creek Sewer and Drainage Commissioners, Rushville, for the construction of 500,000 cu. yds. of levee and for the construction of open ditches, requiring the removal of 250,-000 cu. yds. Chas. W. Brown, Jacksonville, is Engr.

COAL DOCK.—Superior, Wis.—The contract for rebuilding the Great Northern Railway Co.'s coal dock here has been let to SCHMIDT BROS. & HILL, Trust Bldg., Superior. The dock will be completely rebuilt during the coming winter at a cost of $37,000 for substructure and over $100,000 for improved coal unloading machines.

MONUMENT.—Sharpsburg, Md.—Bids were received on Oct. 5 by W. W. Daugherty, Pres. Indiana Antietam Monument Comn., Room 25, State House, Indianapolis, for manufacture, erection and completion of a large monument and five markers on the battlefield at Sharpsburg, Md. Contract was awarded to J. N. FORBES, Chambersburg, Pa.

STEAMER.—New York.—Bids were received as follows by John T. Barry, Comr. of Correction, on Oct. 7 for furnishing all the labor and materials required for construction and completion of a single screw steamer: JAS. SHEWAN & SON, foot Houston St., East River, $28,480 (awarded contract); Waters-Gildersleeve-Colver Co., 45 Broadway, $28,865; J. W. Sullivan & Co., 872 East Ninth St., $29,200; Jas. Trezarthen & Sons, foot Seventh St., $29,450; John F. Walsh, Jr., & Co., 136 Charlton Ave., $35,000.

(Continued on page 138.)

CONTRACT PRICES.

(denotes that this work is advertised in Engineering News.)*

*BARGE CANAL.—Albany, N. Y.—The following are the detail prices of the bids received by F. C. Stevens, Supt. Public Works, on Oct. 5, for Barge Canal Contract No. 2-E, which is for the completion of the work remaining unfinished under Contract No. 2, at Waterford, N. Y.—(A) Engineer's estimate; (B) Ferguson Contracting Co., 37 Wall St., New York:

		(A)	(B)
139,500	cu. yds. all excavation	$0.52	$0.60
26.4	M. ft. B. M. sheeting and bracing (spruce), per M. ft. B. M.	40.00	48.00
68,200	cu. yds. forming embankment	.15	.15
720	cu. yds. lining	1.50	1.50
148.5	M. ft. B. M. timber and plank (yellow pine), per M. ft. B. M.	40.00	40.00
8	M. ft. B. M. spruce timber and plank per M. ft. B. M.	35.00	35.00
51,300	lin. ft. round timber in Cribs	.12	.14
2,050	each foundation piles, 15' long	3.75	3.75
35	each mooring piles, 20' long	6.50	6.50
21,350	cu. yds. second-class concrete	6.50	7.15
1,200	cu. yds. wash wall, including coping	2.00	2.00
5,540	cu. yds. stone filling	2.00	2.00
170	lin. ft. 12" vitrified pipe, laid	.60	.60
170	lin. ft. trenching and backfilling for 12" vitrified pipe	.20	.20
12,200	lbs. iron castings	.04	.04
29,300	lbs. structural steel	.06	.06
3	M. ft. B. M. white oak lumber in miter sills, per M. ft. B. M.	100.00	100.00
70	sq. yds. cobble gutters	1.00	1.00
1,270	sq. ft. relaying old flagging	.06	.06
460	fender fastenings (each)	3.75	3.75
50	sq. yds. brick sidewalks	1.35	1.35
50	lin. ft. stone curbs	1.50	1.50
160	lin. ft. stone curbs, reset	.50	.50
70	sq. yds. cobblestone gutters, relaid	.50	.50
40	sq. yds. crosswalks, relaid	.54	.54
	Change in hydrant and connections (lump sum)	45.00	45.00
	Change in steps and stoops (lump sum)	100.00	100.00
260	cu. ft. removing concrete	1.00	1.00
120	sq. ft. dressing concrete surfaces	.75	.75
3,660	lbs. cast-iron quoin plates	.11	.11
	Total	$268,180	$289,464

*BARGE CANAL.—Albany, N. Y.—Bids were received as follows, in detail, by F. C. Stevens, Supt. Public Works, on Oct. 5th, for Barge Canal Contract No. 43, which is for the construction of the canal from a point just east of Oriskany Road to about 1,500 ft. west of Mud Creek, a distance of 10.32 miles—(A) Engineer's estimate; (B) Shanley-Morrissey, Inc., 527 Fifth Ave., New York; (C) Scott Bros., Baldwinsville, N. Y.; (D) Holbrook, Cabot & Rollins, Brooklyn, N. Y.; (E) S. Pearson & Son, Inc., 507 Fifth Ave., New York; (F) M. A. TALBOTT CO., 1110 American Bldg., Baltimore, Md. (awarded contract):

	(A)	(B)	(C)	(D)	(E)	(F)
140 acres clearing	$25.00	$25.00	$25.00	$25.00	$25.00	$25.00
5,017,500 cu. yds. excavation	.21	.17	.185	.169	.25	.18
210 M. ft. B. M. sheeting and bracing, per M.ft.B.M.	50.00	50.00	50.00	50.00	52.50	50.00
253,000 cu. yds. forming embankment	.15	.15	.15	.15	.14	.08
4,200 cu. yds. lining	1.50	1.50	1.50	1.50	1.25	1.50
1,400 cu. yds. puddle	1.50	1.50	1.50	1.50	1.50	1.50
13.6 M. ft. B. M. sawed lumber (yellow pine or Douglas fir), per M. ft. B. M.	55.00	55.00	55.00	55.00	60.00	55.00
7.2 M. ft. B. M. sawed lumber (hemlock), per M. ft.B.M.	40.00	40.00	45.00	40.00	48.00	40.00
3.3 M. ft. B. M. white oak lumber, per M. ft. B. M.	100.00	100.00	100.00	100.00	100.00	100.00
49,700 lin. ft. foundation piles, 12' to 30' long	.25	.25	.27	.25	.28	.25
420 lin. ft. mooring piles, 20' long	.30	.30	.35	.30	.29	.30
354 M. ft. B. M. wooden sheet piling, per M.ft.B.M.	50.00	50.00	55.00	50.00	57.00	50.00
19,050 cu. yds. second-class concrete	7.00	7.00	7.00	7.00	8.35	6.00
1,170 cu. yds. reinforced concrete	12.00	12.00	12.00	12.00	14.40	12.00
3 cu. yds. first-class masonry coping	30.00	30.00	36.00	30.00	29.50	30.00
68,100 cu. yds. wash wall	2.00	2.00	2.20	2.40	2.40	1.75
5,700 sq. yds. first-class stone paving	1.75	1.75	1.90	1.75	1.75	1.75
5,300 sq. yds. second-class stone paving	1.50	1.50	1.65	1.50	1.68	1.50
3,600 cu. yds. third-class riprap	2.25	2.25	2.50	2.25	2.70	2.25
211,800 lbs. structural steel	.045	.045	.05	.045	.05	.045
92,600 lbs. metal reinforcement	.035	.035	.035	.035	.0375	.035
2,700 lbs. wrought iron	.04	.04	.045	.045	.045	.04
4,000 lbs. steel castings	.045	.045	.0575	.045	.054	.045
3,800 lbs. iron castings, plain	.035	.035	.035	.035	.04	.035
5,700 lbs. iron castings, machined	.05	.05	.05	.05	.055	.05
540 sq. yds. wooden pavement	2.75	2.75	2.75	2.75	2.75	2.75
2,400 lin. ft. wooden fence	.20	.20	.20	.20	.24	.20
38,500 lbs. metal in sluice gate	.05	.05	.06	.05	.06	.05
780,000 lbs. metal in guard gates	.05	.05	.06	.05	.06	.05
For maintaining highway traffic (lump sum)	13,000.00	13,000.00	13,000.00	13,000.00	15,250.00	8,000.00
For maintaining navigation (lump sum)	100.00	100.00	100.00	100.00	100.00	100.00
Cofferdams, pumping, bailing and draining (lump sum)	12,000.00	12,000.00	12,000.00	12,000.00	12,000.00	12,000.00
Deduct price to be paid to the State of New York for bridge superstructure in place which is to be removed by the contractor without expense to the State (lump sum)	50.00	50.00	50.00	50.00	50.00	50.00
Deduct price to be paid to the State of New York for buildings in place which are to be removed by the contractor without expense to the State (lump sum)	7,000.00	5,700.00	7,000.00	7,000.00	7,000.00	7,000.00
Total	$1,529,885	$1,330,485	$1,439,000	$1,351,431	$1,801,900	$1,320,560

MISCELLANEOUS CONTRACTS.

(Continued from page 137.)

DITCHES.—Stevens Point, Wis.—Bids were received by Daniel H. Pratt, Secy. Comrs. of Portage County Drainage Dist., at Park Blk., Stevens Point, on Sept. 21, for digging ditches and laterals, included in the 33 miles of work in this district. Contract has been awarded to JOHN CORBETT, of Plainfield, Wis., at 6.46 cts. per cu. yd.; total cost, $57,881.

ROCK.—Portland, Ore.—Only one bid for the delivery of 380,000 tons of rock at the jetty at the mouth of the Columbia River was received by Maj. Jas. F. McIndoe, Corps Engrs., on Sept. 27. It was from the Columbia Contract Co., at $1.12 per ton, f. o. b. Fort Stevens. The same rate is now in force and the Columbia Contract Co. is at present supplying the rock.

PIPE LINE.—Los Angeles, Cal.—Construction has been started by the Big Scope Oil Co., H. W. Hellman Bldg., Los Angeles, on a 6-in. pipe line between its camp on Tar Creek, Ventura County, and Brownstone Siding, a distance of seven miles. A. F. Johns is Mgr. of the company. Three steel storage tanks will be erected. Estimated total cost of the improvements, $20,000.

DITCHES.—St. Paul, Minn.—George A. Ralph, State Drainage Engr., has prepared extensive plans for three State drainage ditches which will cost about $170,000. Ditch No. 72, in Rouseau County, will have 800,000 cu. yds. of excavation; Ditch No. 88, in Aitkin County, 700,000 cu. yds.; Ditch No. 84, in Kittson County, 300,000 cu. yds. S. G. Iverson is Secy. of the State Drainage Commission.

*DREDGING.—Boston, Mass.—Bids will be received until 2 p. m., Oct. 22, by the Board of Harbor and Land Commissioners, Boston, for dredging to a depth of 35 ft. at mean low water the berth on the easterly side of the Commonwealth Pier at South Boston Flats and an area lying between this pier and berth and the main ship channel. There will be about 350,000 cu. yds. of material, scow measurement, to be dredged. Frank W. Hodgdon, Ch. Engr.

EXAMINATIONS.

CHAINMAN.—Albany, N. Y.—The State Civil Service Commission will hold examinations on Oct. 30 for the various positions, including chainman at $2.50 to $3 per day. Application should be filed on or before Oct. 23. For information and application blanks address (postal card preferred), the State Civil Service Commission, Albany.

CENSUS CLERKS.—Washington, D. C.—The U. S. Civil Service Commission announces that a very small proportion of the applications thus far filed for the examination to be held on Oct. 23 next, for positions in the Census Bureau, are from the residents of the more distant states. It is expected that about 3,000 appointments will be made from the examination, which is scheduled to be held on Oct. 23, in all the States and Territories. These appointments will be for terms of six months to two years, and will average about one year in length. The entrance salary will be $600 a year, and promotion to at least $900 a year will be reasonably rapid for those who render satisfactory service. Application forms and further information may be obtained by addressing the U. S. Civil Service Commission, Washington, D. C., the Bureau of the Census, Washington, D. C ,or for Secretary of the Board of U. S. Civil Service Examiners at the following named places: Post-Office, Boston, Mass., Philadelphia, Pa., Atlanta, Ga., Cincinnati, O., Chicago, Ill., St. Paul, Minn., Denver, Colo., San Francisco, Cal.; Custom-House, N. Y., New Orleans, La., Old Custom House, St. Louis, Mo.

SPECIAL AGENTS.—Washington, D. C.—Census Director E. Dana Durand announces Nov. 3 next as the date for making a practical test of the qualifications of applicants for appointment as special agents for the collection of the Thirteenth Census statistics of manufactures and mines and quarries. Blank applications may be obtained now by writing the Bureau of the Census. No applications which are received after the close of business Oct. 25 will be considered. In a circular of instructions relative to the subject the Director states that about January 1, 1910, the Bureau will employ from 1,600 to 1,800 special agents. As far as possible it is desired to obtain for this work persons who have had college or university courses in statistics or economics, and persons who have had service in the accounting department of some manufacturing or other business establishment. When an application is complete in every particular it should be mailed to the Director of the Census, Washington, D. C. Care should be taken to affix sufficient postage to the envelope containing the application. Through the courtesy of the United States Civil Service Commission, the practical test will be taken before the local board of civil service examiners on Nov. 3.

Applicants must be careful to state in their applications the place selected for taking the practical test. A list of the places where this test may be taken is given below. The applicants must be citizens of the United States; between the ages of 20 and 60 years; in good health and physically able to perform the required duty; and of good character and habits. These facts must be vouched for by at least two persons who are personally acquainted with the applicant. Chief special agents of Class I will receive compensation at the rate of from $4.50 to $6 per day, including intervening Sundays. Assistant special agents of Class 2, if paid by the day, will receive from $3 to $4 for each day, including intervening Sundays; but such agents may, however, be compensated on a piece-price basis. The chief special agents will be employed from six to fifteen months and the assistant special agents from three to six months.

Readers' Wants

If you are in the market for material, equipment or supplies, and fail to find it in our advertising pages, send us full particulars, and we will gladly put you in touch with the right parties.

CATALOGS.—Salt Lake City, Utah.—The Utah Society of Engineers, 702 Newhouse Bldg., is desirous of establishing a catalog department in its library and would appreciate such literature from manufacturers.

INDUSTRIAL NOTES.

THE BRISTOL CO., Waterbury, Conn., manufacturers of recording instruments and patent steel belt lacing, has opened a branch office in the Frick Bldg. Annex, Pittsburg, Pa.

THE LANDGRAF-TURNER alternating impact testing machine, made by Queen & Co., Philadelphia, is entering into general use for the testing of steels by impact. Queen & Co. have just furnished one of these machines to the Bureau of Standards, Washington, D. C., and have also received an order from the Royal Italian Navy.

THE C. O. BARTLETT & SNOW CO., Cleveland, Ohio, reports the following orders: Kelley Island Lime & Transport Co., Cleveland, Ohio, one elevator, capacity 1,000 tons of crushed stone an hour, and one elevator, capacity 600 tons of crushed stone an hour; Winding Gulf Colliery Co., Cincinnati, Ohio, one Greene self dumping car haul and complete outfit, through F. C. Greene, Mining Engineer, capacity 2,500 tons of coal in eight hours; William A. Clark, Butte, Mont., one ore dryer; American Smelters Securities Co., New York, N. Y., one ore dryer for mines at Santa Barbara, Chih., Mexico.

THE HILL CLUTCH CO., of Cleveland, Ohio, manufacturers of power transmission machinery, announce the appointment of Mr. G. W. Hoffman as sales engineer in charge of their Chicago office, which is located at No. 610 Marquette Bldg.

THE RAYMOND CONCRETE PILE CO., of New York and Chicago, has been awarded the contract for placing concrete piles in the foundations of the power house for the Illinois Traction System, at Venice, Ill. The Central Illinois Construction Co. is the contractor and H. C. Patterson, Engr.

THE SHEFFIELD GAS POWER CO., Sheffield Station, Kansas City, U. S. A., announces that it has purchased the entire assets, factory and good will of the former Weber Gas Engine Co. at the bankruptcy sale thereof and will continue the manufacture of gas engines and producers. George M. Hawes is President and Freeman Field, Vice-President and Treasurer of the Sheffield Co.

MR. D. J. CALKINS, who has for a number of years been manager of concrete reinforcing sales for the American System of Chicago, has purchased an interest in the Builders' Material Supply Co., of Kansas City, Mo. The company is prepared to take care of every thing in the way of reinforcing for concrete work and has extended its territory through Texas, Oklahoma, Kansas, Missouri and Nebraska.

THE PENNSYLVANIA RAILROAD has officially announced the distribution of its 200,000-ton rail order for 1910 delivery as follows: U. S. Steel Corporation 88,300 tons, of which the Illinois Steel Co. will roll 56,200 tons and the Carnegie Steel Co. 27,100 tons. The Pennsylvania Steel Co. has been allotted 41,800, Cambria Steel Co. 41,800, Lackawanna Steel Co. 19,550 and the Bethlehem Steel Co. 12,910 tons.

FISK & CO., INC., Boston, Mass., announces the removal of its offices and showrooms from No. 161 Devonshire St. to No. 25 Arch St. In this location the company has taken the entire top floor, and has erected an exhibit of "Tapestry" brick and other face bricks, some 25 varieties having been laid in mortar in various bonds, mortar joints, and colors, to designs by Addison B. Le Boutillier, Archt.

THE CHAPMAN VALVE MFG. CO., Springfield, Mass., announces several changes in the personnel of its officers. Mr. Adolph W. Gilbert, for some time president and general manager of the Pratt & Cady Co., of Hartford, has been elected president and general manager and Mr. Robert Shirley, M. Am. Soc. M. E., who was also connected with the Pratt & Cady Co., in the capacity of mechanical engineer, joins the forces of the Chapman Company as works manager and engineer. In addition the Chapman Company has secured the services of Messrs. E. O. Davies and John Busch, who are well known in the valve manufacturing world. The department of assembling and testing of valves and hydrants has been made independent of all other departments of the factory, and placed in charge of a capable man who is responsible only to the president and general manager, thus insuring a close, independent inspection of material and workmanship before assembling. This is a policy that Mr. Gilbert has pursued successfully for eight years, and will be appreciated by all who understand conditions in valve shops.

For other Proposal Advertisements see pages 51, 52, 53, 54, 55, of Advertisements and Construction News page 138.

PAVING.

Ft. Myer Heights, Va.

Sealed proposals shall be received by the Board of Supervisors at the Alexandria County Court-House, Ft. Myer, Heights, Va., until ten o'clock A. M., Wednesday, October 27th, 1909, for furnishing materials and the performance of labor required for grading, curbing and paving King Street extended, from the corporation limits of Alexandria City to the Union Station of the Washington Southern Railway Co., Alexandria County, Va., in accordance with drawings and specifications prepared by Geo. E. Garrett, Engineer of Alexandria County, Virginia.

Copies of drawings and specifications can be obtained from said Engineer upon application to him at St. Elmo, Va.

Each bid must be accompanied by a certified check for five hundred ($500.00) dollars, made payable to the Board of Supervisors of Alexandria County, Va., as a guarantee that the bidder, if his bid be accepted, will execute the contract and furnish the required bond.

Each bid must be made on blank forms to be obtained from said Engineer.

The Board reserves the right to accept any, or reject any or all bids.

PAVING.

Ashland, Ky., Oct. 12th, 1909.

Sealed Proposals will be received by the City Clerk of the City of Ashland, Kentucky, up to 7 o'clock P. M., Saturday, Oct 30th, 1909, for the furnishing of all materials for the construction of vitrified brick or bitulithic pavement with combined curb and gutter, as per plans and specifications approved by the City Council of the City of Ashland, Kentucky, and on file in the office of the City Engineer.

The approximate quantities are:

34,500 square yards of paving.

21,700 lineal feet combined curb and gutter, and necessary catch basins for same.

A certified check on a National Bank, payable to L. R. Putnam, City Treasurer, for the sum of One Thousand ($1,000) Dollars, must accompany each proposal. The right is reserved to reject any and all bids.

Mark bids for contract R. Address same to E. A. Shepard, City Clerk of the City of Ashland, Kentucky.

J. O. MATHEWSON, Mayor.
E. A. SHEPARD, Clerk.
L. R. PUTNAM, Treasurer.

Situations Wanted

For Reinforced Concrete Construction

AN EXPERT SUPERINTENDENT

with **Trained Foremen,** offers services.

Mr. Contractor

Would you take on another job if you had a trained force to put in charge? I'll keep the cost right.

Mr. Owner

Would you like to do your own construction work, but lack skilled assistants? I'll save you money.

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